

1903.



CITY & COUNTY OF KINGSTON UPON HULL.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH.

J. WRIGHT MASON, M.B., C.M., D.P.H., M.R.C.S.E.

MEDICAL OFFICER OF HEALTH.

HULL:

M. HARLAND & SON, PRINTERS, MANOR STREET.

1904

SANITARY COMMITTEE.

Chairman—Mr. Councillor KESSEN.

Vice-Chairman—Mr. Alderman COHEN.

Mr. Councillor ASKEW.

Mr. Councillor LILLEY, J.P.

Mr. Councillor PETER ATKINSON. Mr. Councillor McLAREN.

Mr. Councillor W. J. ATKINSON, J.P. Mr. Councillor MILLINGTON, J.P.

Mr. Councillor BRIGGS.

Mr. Councillor NORTH.

Mr. Councillor COSTELLO.

Mr. Councillor ROBINSON.

Mr. Alderman FRASER.

Mr. Councillor SHAW.

Mr. Alderman HOLDER, J.P.

Alderman Sir JOHN
SHERBURN, J.P.

Mr. Councillor T. C. TAYLOR.

The Mayor (Alderman JARMAN, J.P.) (*ex-officio*).

Ex-Mayor (Alderman Sir ALFRED GELDER, J.P.) (*ex-officio*).



Digitized by the Internet Archive
in 2017 with funding from
Wellcome Library

<https://archive.org/details/b2944102x>

INDEX.

	PAGE
Vital and Mortal Statistics	9
Infantile Mortality... ..	11
Deaths in ages, &c.	12
Notification of Infectious Disease, &c.	17
Mortality in Large Towns	19
Marriages	21
Seven Principal Zymotics... ..	22
Principal Zymotic Diseases	23
Deaths in Districts	24
Birth Rate, &c., in Large Towns... ..	25
Vaccination	27
Scarlatina	28
Measles	28
Diphtheria	32
Whooping Cough	32
Fever	32
Diarrhœa	34
Infantile Diarrhœa	34
Bacteriology	37
Hospitals	37
Diphtheria	42
Small Pox	44
Hospital Admissions	50
Phthisis	51
Cancer	51
Influenza	52
Accidents	53
Inquests	53
Sanitation	53
Housing of the Working Classes Act	54

	PAGE
Public Mortuary	58
New Dwelling Houses	58
Public Baths	59
Flushing and Distribution of Disinfectants	59
Common Lodging Houses	59
Food Inspection	60
Cowsheds, Dairies and Milkshops	60
Slaughter Houses, &c.	60
Meat Inspection	61
Fruit and Fish Inspection, ...	67
Epizootic Disease	68
Destructors	68
Sanitary Legislation	69
Infectious Disease (Notification) Act	73
Meteorology... ..	74

APPENDIX.

Street List of Deaths from Zymotic Diseases	83
Inspector of Nuisances' Report	93
Legal Notices	95
Ash-pit Cleansing	96
Applications for the Removal of Night-Soil	97
Drainage Work	98
Offensive Trades	99
Zymotic Diseases Investigated	100
Disinfecting Station	101
Registered and Licensed Premises	102
Common Lodging Houses, Situation, &c., of	103
Seamen's Lodging Houses	104
Applications for Licenses... ..	105
Food and Drugs Act, Samples taken	106
Sanitary Prosecutions	108
Canal Boats Inspection	111
Factory and Workshops and Shop Hours Acts	115
Prosecutions do. do.	119
Foreign Cattle Dépôt	125
Expenditure, Sanitary Department	126

CITY AND COUNTY OF KINGSTON UPON HULL.

TOWN HALL.

To the Sanitary Committee.

GENTLEMEN,

I have the honour to submit to you my Annual Report for the year ended 31st December, 1903, comprising the Statistical Returns of the deaths in the City, the measures adopted for the prevention of disease, and the work done in the Sanitary Department.

I am, Gentlemen,

Your obedient Servant,

J. WRIGHT MASON.

City and County of Kingston upon Hull.

REPORT, 1903.

VITAL AND MORTAL STATISTICS.

Births.

During the twelve months ended 31st December, 1903, there were registered in the City and County of Kingston upon Hull, according to the returns furnished by the Registrars, 7778 Births and 4143 Deaths. Of the Births 3936 were males and 3842 females.

The Birth-rate was equal to 31·2 per 1000 of a population of 249,639 of all ages, the official estimated population to the middle of 1903, residing in 56,560 houses, this being an average of 4·4 persons to each house. The average Birth-rate for the seventy-six great towns was 29·7 per 1000.

The excess of Births over Deaths in 1903, representing the natural increase of the population, was 3635, against 3651 and 3576 in the years 1902 and 1901 respectively.

The average density of population per acre in 1903 was 27·1.

The annual rateable value of the City in 1903-1904 was £1,152,837.

Deaths.

The annual Death-rate from all causes for the year under notice was equal to 16·6 per 1000, namely :—

1st quarter.	2nd quarter.	3rd quarter.	4th quarter.
17·1	15·5	17·9	16·0

Of the Deaths, 2116 were males and 2027 females.

The Death-rate, according to the Registrar-General's returns for seventy-six of the largest towns in England and Wales, including London, averaged 16·3 per 1000 per annum, the lowest rate being 7·9 per 1000 in Hornsey and the highest 22·2 in Wigan.

The following table gives the annual Birth-rate and Death-rate, with the corresponding Zymotic death-rate for the years 1876 to 1903 :—

Year.	Births.	Deaths.	Population.	Birth-rate per 1,000.	Death-rate per 1,000.	Zymotic-rate per 1,000
1876	5726	3131	137,630	41	22	3
1877	5822	3032	141,050	41	21	2
1878	6004	3471	144,450	41	24	4
1879	5885	3311	147,940	38	22	2
1880	5650	3532	151,500	37	23	4
1881	5634	3677	155,160	36	23	6
1882	5761	3705	158,814	36	23	4
1883	6353	3970	176,296	36	22	2
1884	6803	3834	181,225	37	21	3
1885	6269	3221	186,292	33	17	1
1886	6387	3563	191,501	33	18	2
1887	6462	3718	196,855	32	18	2
1888	6230	3297	202,359	30	16	1
1889	6820	4157	208,017	32	19	2
1890	6612	4047	213,833	31	19	1
1891	6922	4133	200,934	34	20	1
1892	7103	3965	204,750	34	19	2
1893	7109	4503	208,639	34	21	4
1894	6854	3604	212,679	32	16	1
1895	7340	4445	216,722	33	20	3
1896	7011	4131	220,844	31	18	3
1897	7465	4089	225,045	33	18	2
1898	7696	4141	229,887	33	18	2
1899	7931	4412	234,270	33	18	3
1900	7820	4610	238,736	32	19	3
1901	7993	4417	241,622	33	18	3
1902	7789	4138	245,448	31	16	2
1903	7778	4143	249,639	31	16	2

Infantile Mortality.

The Infantile Mortality, measured by the proportion of deaths under one year of age to births registered, was 163 per 1000. For the seventy-six most populous towns in England and Wales, the proportion of deaths under one year to births registered, averaged 144 per 1000.

No. 1.—TABULATED RETURN, SHEWING THE TOTAL NUMBER OF DEATHS FOR
THE YEAR 1903, AT CERTAIN AGES.

DISTRICTS.	Under One Year.	1 Year and Under 5.	5 Years and Under 15.	15 Years and Under 25.	25 Years and Under 65.	65 Years and Upwards.	TOTALS.
Drypool	230	101	41	29	184	90	675
Sutton.....	78	70	14	9	63	28	262
East Sculcoates.....	116	32	18	12	77	62	317
West Sculcoates	184	61	27	27	189	164	652
Humber	129	75	21	29	236	126	616
Myton	255	87	36	28	294	161	861
Newington	230	73	21	22	134	77	557
Newland	44	14	13	10	62	57	200
Marfleet	2	...	...	...	...	1	3
Totals.....	1268	513	191	166	1239	766	4143

TABLE No. 2.—CAUSES OF, AND AGES AT, DEATH DURING YEAR 1903.

Causes of Death.	Deaths in or belonging to whole District at subjoined Ages.						Deaths in or belonging to Localities (at all Ages).							Total Deaths in Public Institutions in the District.		
	All ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Drypool.	Sutton.	East Sculcoates.	West Sculcoates.	Humber.	Myton.		Newington.	Newland.	Marfleet.
Small Pox	6	2	...	...	...	4	...	1	...	2	...	2	1	...	...	...
Measles	117	23	84	10	...	...	...	28	32	8	12	19	7	10	1	...
Scarlet Fever	7	2	3	2	...	...	...	1	...	...	2	...	4	...	...	...
Whooping Cough	23	10	12	1	...	...	...	1	6	...	4	...	8	4	...	...
Diphtheria and Membranous Group	75	6	42	27	...	...	...	29	7	4	12	7	4	4	8	...
Croup	4	1	2	1	...	...	...	...	2	...	...	...	2	...	...	...
Fever { Typhus	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	17	...	...	1	5	11	...	5	1	1	2	3	1	3	1	...
Other Continued	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza	40	1	2	2	...	16	18	8	6	5	11	3	6	1	...	...
Cholera.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea	308	256	39	...	1	3	9	51	23	33	47	44	58	45	6	1
Enteritis	51	37	8	...	1	4	1	6	3	3	8	3	14	11	3	...
Puerperal Fever	4	...	...	...	1	3	...	1	...	...	1	...	1	1	...	...
Erysipelas	14	4	...	...	...	8	2	1	1	2	3	1	4	2	...	...
Other Septic Diseases	8	...	...	...	1	4	3	1	...	1	1	1	...	4	...	...
Phthisis	261	2	9	20	42	181	7	37	10	11	54	38	62	36	13	...
Other Tubercular Diseases ...	132	28	33	32	12	26	1	20	10	10	18	24	32	16	2	...
Cancer, Malignant Disease ...	190	2	1	...	...	140	47	26	11	12	52	21	35	16	17	...
Bronchitis	414	133	62	2	6	89	122	53	25	45	62	59	107	53	10	...
Pneumonia	292	93	82	7	13	73	24	38	18	24	30	55	66	47	14	...
Pleurisy	8	...	2	2	1	1	2	2	2	...	...	...	3	1	...	...
Other Diseases of Respiratory Organs	47	16	12	1	...	11	7	2	3	4	7	4	12	9	6	...
Alcoholism	...	...	...	...	1	35	4	4	2	2	5	12	6	4	5	...
Cirrhosis of Liver }	40	...	...	...	...	2	...	4	...	1	8	1	3	3	...	...
Venereal Diseases	20	17	1	...	...	...	...	4	...	7	14	8	26	33	5	1
Premature Birth.....	125	125	...	...	...	...	...	27	4	...	...	...	...	...	...	...
Diseases and Accidents of Parturition	25	...	...	1	4	19	1	9	2	2	3	1	3	4	1	...
Heart Diseases	313	6	1	11	19	183	93	53	18	20	53	48	66	38	17	...
Accidents.....	113	23	16	10	11	43	10	22	8	11	13	23	14	17	5	...
Suicides	37	...	...	1	8	26	2	4	1	3	2	12	10	3	2	...
All Other Causes.....	1452	481	102	60	39	357	413	241	67	106	228	227	306	192	84	1
All Causes	4143	1268	513	191	166	1239	766	675	262	317	652	616	861	557	200	3
																630

TABLE No. 3.—VITAL STATISTICS OF WHOLE DISTRICT DURING 1903
AND PREVIOUS YEARS.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.					TOTAL DEATHS IN PUBLIC INSTITU- TIONS IN THE DISTRICT.	Deaths of Non- residents registered in Public Institu- tions in the District.	Deaths of Residents registered in Public Institu- tions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number.	Rate.*	Under 1 Year of Age.		At all Ages.						Number.	Rate.*
				Number.	Rate per 1000 Births registered.	Number.	Rate.*						
1893	208,639	7109	34.1	1464	205	4503	21.6	498	17	33	4519	21.7	
1894	212,679	6854	32.1	978	142	3604	16.9	454	9	51	3645	17.1	
1895	216,722	7340	33.8	1516	206	4445	20.4	473	12	49	4482	20.6	
1896	220,844	7011	31.7	1272	181	4131	18.6	460	9	48	4170	18.8	
1897	225,045	7465	33.1	1419	190	4089	18.1	487	13	69	4145	18.4	
1898	229,887	7696	33.4	1467	190	4141	18.0	523	21	50	4170	18.1	
1899	234,270	7931	33.8	1404	177	4412	18.8	610	35	63	4440	18.9	
1900	238,736	7820	32.7	1436	183	4610	19.2	586	41	66	4635	19.3	
1901	241,622	7993	33.1	1409	180	4392	18.2	500	43	68	4417	18.3	
1902	245,448	7789	31.7	1081	138	4107	16.7	666	52	83	4138	16.8	
Averages for years 1893-1902.	227,389	7500	32.9	1344	179	4243	18.6	525	25	58	4276	18.8	
1903	249,639	7778	31.2	1274	163	4152	16.6	630	74	65	4143	16.6	

* Rates calculated per 1,000 of estimated population.

TABLE No. 3a.—VITAL STATISTICS OF SEPARATE LOCALITIES IN 1903 AND PREVIOUS YEARS.

NAMES OF LOCALITIES.	CITY TOTAL.				DRYPOL.				SUTTON.				EAST SCULCOATES.				WEST SCULCOATES.				HUMBER.			
	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.
YEAR.																								
1893	208,639	7109	4503	1464	32,305	1161	717	255	13,718	556	303	127	13,661	497	331	106	42,364	1297	841	271	5,566	130	118	24
1894	212,679	6854	3604	978	32,913	1165	497	179	13,984	546	205	68	14,027	501	283	94	43,162	1238	676	168	5,578	129	97	21
1895	216,722	7340	4445	1516	33,713	1158	663	250	14,381	594	299	119	14,302	532	319	110	43,864	1278	871	311	5,624	135	110	30
1896	220,844	7011	4131	1272	34,452	1186	614	203	14,893	545	268	106	14,591	506	292	105	44,395	1158	670	172	5,647	123	110	23
1897	225,045	7465	4089	1419	34,918	1351	619	255	15,296	575	267	126	14,857	541	287	109	45,231	1238	694	197	8,911	262	142	26
1898	229,887	7696	4141	1467	35,548	1408	561	213	15,566	597	273	115	15,127	532	321	125	46,041	1183	726	210	39,061	926	786	206
1899	234,270	7931	4412	1404	36,351	1465	675	238	15,905	579	287	129	15,429	550	327	125	46,715	1169	673	169	39,588	932	831	181
1900	238,736	7820	4610	1436	37,279	1423	759	282	16,284	526	266	106	15,742	533	306	103	47,378	1178	757	206	39,786	880	843	184
1901	241,622	7993	4417	1409	41,102	1425	723	268	13,716	537	271	114	15,576	526	374	121	41,344	1097	695	172	30,773	849	709	160
1902	245,448	7789	4138	1077	41,903	1425	669	198	14,103	497	237	75	15,879	573	345	86	41,785	1114	638	135	30,649	757	672	137
Averages of Years 1893 to 1892.	227,389	7500	4249	1344	36,048	1316	649	234	14,784	555	267	108	14,919	529	318	108	44,227	1195	724	201	21,118	512	441	99
1903	249,639	7778	4143	1268	42,739	1458	675	230	14,408	518	262	78	16,142	506	317	116	42,311	1067	652	184	30,734	716	616	129

In 1897 the Sub-District of St. Mary was merged into Humber District.
 In November, 1897, Humber Sub-District was divided and part included in Myton District.

TABLE No. 3a Continued.—VITAL STATISTICS OF SEPARATE LOCALITIES IN 1903 AND PREVIOUS YEARS.

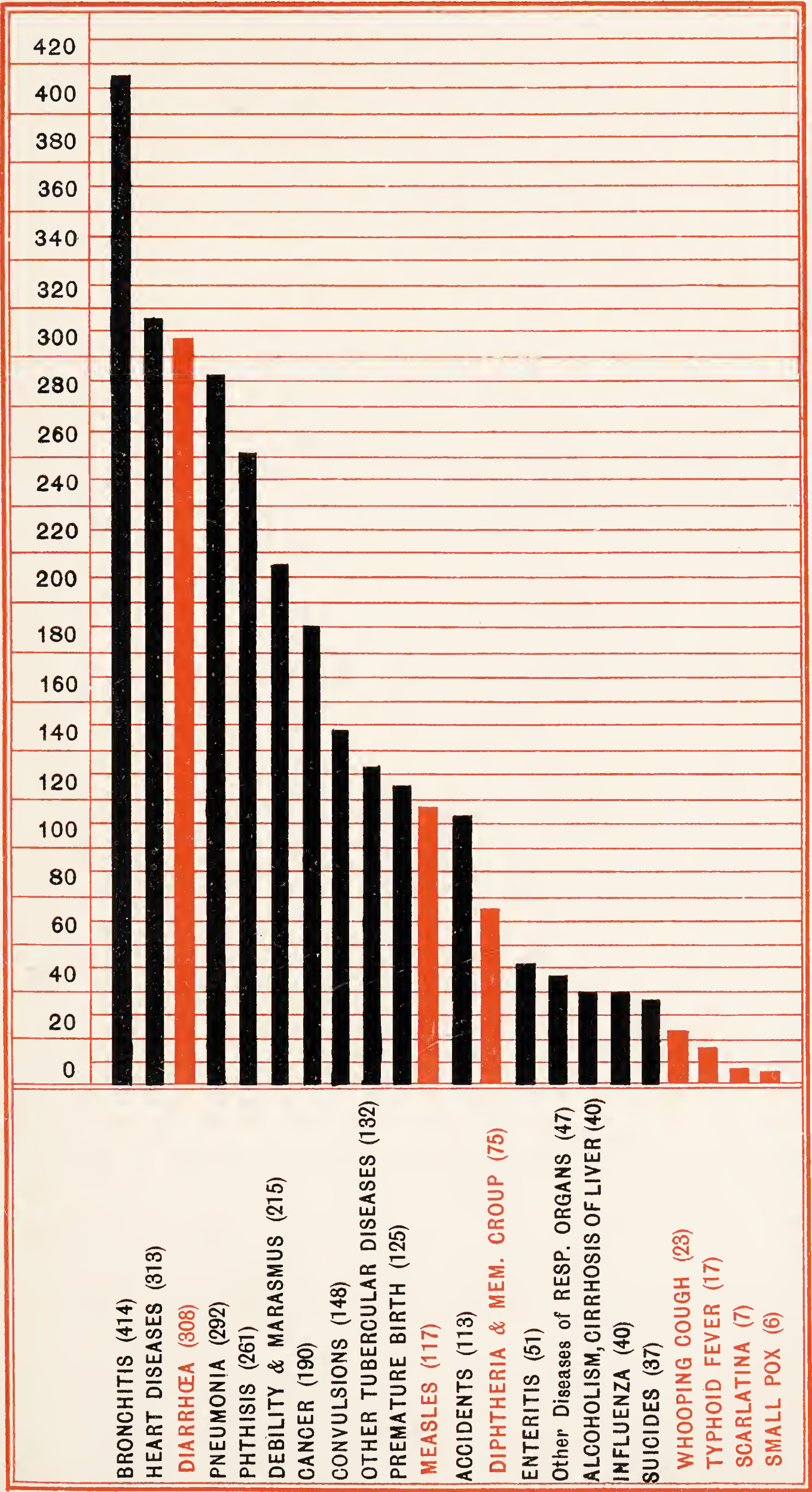
NAMES OF LOCALITIES.	MYTON.				NEWINGTON.				NEWLAND.				MARFLEET.				ST. MARY.			
	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.
1893	70,699	2431	1670	498	20,177	742	329	130	6730	212	106	36	251	12	9	4	3168	71	79	13
1894	72,019	2189	1416	318	20,657	797	285	98	6874	212	78	18	207	12	2	...	3168	67	65	14
1895	73,086	2442	1645	474	21,266	864	375	157	7032	245	90	39	277	9	4	1	3177	83	69	25
1896	74,071	2307	1625	449	22,037	868	390	156	7283	223	82	31	282	7	7	2	3193	88	73	25
1897	75,497	2312	1576	500	22,551	957	407	177	7496	219	93	27	288	10	4	2	...	...	...	...
1898	46,859	1754	943	354	23,047	1027	424	209	8345	262	100	33	293	7	7	2	...	...	...	...
1899	47,858	1806	1010	327	23,632	1128	486	201	8495	292	117	32	297	10	6	2	...	...	...	...
1900	48,784	1755	1011	312	24,449	1203	517	201	8735	311	140	40	299	11	11	2	...	...	...	...
1901	52,141	816	902	307	33,226	1320	581	222	13371	408	156	42	373	9	6	3	...	...	...	...
1902	52,785	1695	881	231	34,197	1289	529	177	13771	431	162	37	376	8	5	1	...	...	...	...
Averages of Years 1893 to 1902.	61,382	1950	1267	377	24,523	1019	432	172	8813	281	112	33	300	9	6	2	1220	30	28	7
1903	53,759	1670	861	255	35,057	1403	557	230	14110	447	200	44	379	13	3	2	...	...	...	...

TABLE No. 4.—CASES OF INFECTIOUS DISEASE IN AGE PERIODS AND IN THE RESPECTIVE REGISTRATION SUB-DISTRICTS NOTIFIED DURING THE YEAR 1903, ALSO THE NUMBER OF SUCH CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.								No. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.											
	At all Ages.	At Ages—Years.						Drypool.	Sutton.	East Sculcoates.	West Sculcoates.	Humber.	Myton.	Newington.	Newland.	Marfleet.	Drypool.	Sutton.	East Sculcoates.	West Sculcoates.	Humber.	Myton.	Newington.	Newland.	Outside City Boundary; also from Ships, &c.	Total Admissions.	
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.																				
Measles	2314	158	1350	727	79	...	...	477	399	278	272	227	195	333	111	22	...	16	2	29	8	...	...	...	...	...	...
Small Pox	98	5	3	17	24	47	2	16	2	29	8	14	29	...	...	...	...	...	...	...	...	...	...	...	...	...	
Cholera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Diphtheria	494	7	130	264	50	42	1	174	59	16	66	59	38	32	49	1	...	45	17	15	28	31	14	7	20	6	183
Membranous Croup	12	1	8	3	...	...	...	5	1	...	2	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	
Erysipelas	276	5	7	17	24	192	31	37	11	23	54	44	64	36	7	...	...	...	...	...	...	...	...	...	...	...	
Scarlet Fever.....	492	7	145	270	48	22	...	102	22	17	64	34	148	72	33	...	25	2	7	40	21	69	27	9	19	219	
Typhus Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Enteric Fever	97	...	5	31	21	40	...	32	4	2	12	20	12	10	5	...	13	1	...	4	8	2	3	...	3	6	40
Relapsing Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever ...	12	...	5	4	...	2	1	9	...	...	...	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	18	...	...	...	1	17	...	6	2	1	2	1	2	4	...	...	...	...	...	...	...	...	...	...	...	...	2
Beri Beri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Isolation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12	3	21	8	19	7	1	...	...	3	74
TOTALS.....	3813	183	1653	1333	247	362	35	858	500	366	480	404	490	487	205	23	111	25	72	88	93	121	38	32	...	36	616

CHART shewing the COMPARATIVE NUMBER of the principal causes of DEATH during the year 1903.

Deaths from Zymotic Diseases █
Deaths from other Diseases █



No. 5.—TABLE SHEWING BIRTHS, DEATHS, AND METEOROLOGICAL CONDITIONS, 1903.

1903. FORTNIGHT ENDED		TEMPERATURE.			Rainfall in inches	Mean humidity, saturation 100	Births	Birth-rate	DEATHS.				DEATHS FROM ZYMOTIC DISEASES.						Deaths from Diarrhoea	DEATH RATE PER 1000.		
		Mean	Highest	Lowest					All Causes	Under one year	Over one year and under five years	Over 25 years	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fever		Zymotic	Diarrhoea	All causes
January	17 ...	41.0	52	33	1.11	...	203	31.6	174	47	41	78	...	19	...	2	2	...	1	2.5	0.1	18.5
"	31 ...	45.9	55	36	0.28	85.6	283	29.5	186	43	32	94	...	18	...	4	1	1	2	2.7	0.2	19.4
February	14 ...	50.0	60	41	0.10	83.7	300	31.3	170	39	21	85	...	9	1	8	2	3	2	2.6	0.2	17.7
"	28 ...	48.9	56	42	0.87	81.0	275	28.7	144	34	18	78	...	4	...	2	2	...	1	0.9	0.1	15.0
March	14 ...	47.0	56	40	0.91	80.7	279	29.1	147	23	27	78	...	9	...	3	1	...	...	1.3	...	15.3
"	28 ...	54.7	65	47	0.50	78.5	291	30.3	148	37	21	77	1	5	1	2	...	2	1	1.2	0.1	15.4
April	11 ...	53.8	59	46	0.69	75.0	312	32.5	170	36	27	84	...	8	...	9	...	2	1	2.0	0.1	17.7
"	25 ...	47.0	58	39	0.40	64.8	290	30.2	143	42	25	61	...	7	1	7	2	...	...	1.7	...	14.9
May	9 ...	52.0	60	46	3.76	87.6	283	29.5	132	35	15	70	1	...	...	1	1	...	2	0.4	0.2	13.7
"	23 ...	57.0	71	47	0.27	72.6	326	34.0	165	46	14	88	1	5	1	3	2	...	1	1.2	0.1	17.2
June	6 ...	62.5	78	57	0.06	72.0	310	32.3	131	38	22	54	2	2	...	2	3	...	3	1.2	0.3	13.6
"	20 ...	56.9	65	51	1.64	75.9	330	34.4	149	41	15	77	...	5	...	5	1	...	3	1.4	0.3	15.5
July	4 ...	70.0	81	62	0.13	66.0	310	32.3	140	32	18	82	...	1	...	3	1	...	3	0.8	0.3	14.6
"	18 ...	67.7	86	60	1.56	74.0	309	32.2	116	33	11	63	...	...	...	1	1	...	8	1.0	0.8	12.1
August	1 ...	66.9	73	59	1.16	81.0	325	33.9	133	43	11	66	1	2	...	2	1	...	14	2.0	1.4	13.8
"	15 ...	67.7	73	61	0.47	71.6	314	32.7	168	68	18	74	...	2	1	...	...	3	37	4.4	3.8	17.5
"	29 ...	63.0	68	57	2.63	80.0	293	30.5	205	110	21	65	...	2	...	1	...	...	82	8.8	8.5	21.4
September	12 ...	63.7	73	57	2.35	77.7	316	32.9	211	96	25	78	...	1	1	1	...	3	64	7.3	6.6	22.0
"	26 ...	61.0	66	56	0.34	84.0	325	33.9	203	87	15	86	...	...	...	1	...	2	41	4.5	4.2	21.1
October	10 ...	61.5	69	53	3.19	87.0	276	28.8	150	58	13	64	...	1	...	1	...	1	17	2.0	1.7	15.6
"	24 ...	54.0	59	51	2.11	83.8	282	29.4	139	40	20	67	...	...	...	2	...	1	5	0.8	0.5	14.5
November	7 ...	53.5	59	48	1.32	86.0	323	33.7	137	46	14	61	...	...	...	...	1	...	6	0.7	0.6	14.3
"	21 ...	49.0	56	42	0.74	85.0	281	29.3	164	48	21	82	...	1	1	4	2	...	4	1.2	0.4	17.1
December	5 ...	42.7	55	30	0.67	86.8	286	29.8	183	56	22	92	...	1	...	1	...	...	4	0.6	0.4	19.1
"	19 ...	43.5	48	31	0.44	86.0	276	28.8	136	30	16	80	...	...	...	3	...	...	1	0.4	0.1	14.2
January 2, 1904	40.5	49	36	0.26	83.5	280	29.2	156	30	13	96	...	...	...	2	...	...	1	0.3	0.1	16.2	

No. 6.—MORTALITY IN TWENTY LARGE TOWNS, 1886-1903.

CITIES AND BOROUGHs.	Annual Death-rate per 1000 living (in years of 52 or 53 weeks).																	
	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903
London	19.9	19.6	18.5	17.4	20.3	21.4	20.6	21.3	17.8	19.8	18.6	18.2	18.7	19.8	18.8	17.6	17.7	15.7
Liverpool	23.8	23.7	20.3	21.6	23.6	27.4	24.7	27.3	23.8	28.8	22.7	24.4	24.0	26.4	25.7	22.3	22.5	20.5
Manchester	26.3	28.7	26.1	26.7	30.6	26.5	23.8	24.9	20.4	25.2	22.6	23.1	21.9	24.6	24.1	22.1	20.0	19.7
Birmingham	19.9	19.7	17.8	18.7	20.7	22.2	20.4	22.0	18.6	20.3	20.8	21.6	20.0	20.8	21.5	20.5	18.6	17.8
Leeds	21.9	21.1	20.6	22.1	22.6	22.9	19.8	22.3	17.9	20.5	18.8	19.9	19.2	19.1	20.0	19.3	17.6	16.6
Sheffield	19.8	21.6	20.5	20.9	24.9	23.9	20.8	22.3	17.8	20.5	19.3	21.2	20.2	22.2	22.6	20.4	17.1	18.6
Bristol	19.3	20.4	16.9	17.6	19.2	20.9	19.5	18.9	17.3	18.1	16.9	17.2	17.2	18.2	16.7	16.0	17.4	14.3
Bradford	19.2	19.9	17.1	19.2	20.4	22.2	18.0	21.0	17.0	19.9	16.5	17.4	17.6	18.4	16.4	16.8	15.8	16.4
*West Ham	...	...	...	...	...	...	18.6	18.9	16.2	17.9	18.6	15.7	15.4	16.7	15.9	17.9	17.1	15.3
Hull	18.8	19.2	16.4	20.3	19.2	21.0	19.6	21.8	17.4	20.8	18.9	18.6	18.4	19.3	19.7	18.6	17.2	16.9
Nottingham	20.4	18.7	17.3	17.0	16.5	19.9	18.7	18.5	17.2	19.0	17.5	18.8	17.7	20.0	19.1	18.5	16.7	16.9
Salford	21.1	22.2	21.1	20.5	22.4	26.0	24.6	24.1	21.0	25.6	22.6	23.9	22.7	23.8	25.1	21.7	19.3	19.0
Newcastle.....	22.2	25.3	20.6	25.2	25.9	23.8	19.7	21.0	18.3	20.5	18.5	19.1	21.4	20.6	19.5	21.9	19.9	19.2
Leicester	20.3	19.5	18.3	16.9	17.9	21.7	18.2	20.0	14.7	17.2	16.7	17.7	16.9	17.7	17.4	15.9	14.9	14.2
Portsmouth.....	23.8	19.5	18.8	18.1	19.6	19.0	18.5	18.2	15.2	17.8	16.6	16.2	16.3	19.7	17.3	17.9	16.8	14.7
*Bolton	...	...	...	...	...	...	...	...	...	...	...	...	...	19.9	19.5	18.2	16.9	17.5
Cardiff	22.6	21.9	20.5	19.5	20.8	22.1	18.8	19.7	16.2	18.2	16.8	14.9	14.8	15.4	13.8	15.8	16.8	14.0
Sunderland	19.5	19.7	18.1	22.9	22.7	25.0	20.9	22.5	20.8	21.8	19.8	19.7	22.6	21.5	21.4	21.4	19.5	19.9
Oldham.....	22.8	23.8	20.3	20.4	21.2	25.7	22.0	21.0	18.6	22.0	20.3	19.2	17.6	20.5	19.6	19.6	19.1	18.6
Blackburn	25.5	25.5	23.9	25.5	23.5	25.8	21.7	23.3	17.9	24.3	17.9	19.5	18.4	19.1	20.5	19.5	16.9	15.7

*NOTE—These towns were not included in previous years.

No. 7.—TABLE SHEWING THE BIRTH-RATE, DEATH-RATE, ZYMOTIC AND INFANTILE MORTALITY, AND THE DISTRICTS IN WHICH THEY HAVE OCCURRED, 1903.

DISTRICT.	Estimated Population.	Area in acres.	Persons to an acre.	Birth-rate per 1000.	Death-rate from all causes per 1000.	Zymotic Death-rate per 1000.	Rate per 1000 of Deaths from all causes under 1 year.	Rate per 1000 of Deaths from all causes over 1 year and under 5 years.
Drypool	42739	1752	24.3	33.9	15.6	2.6	5.3	2.3
Sutton	14408	887	16.2	37.0	18.7	4.9	5.5	5.0
East Sculcoates .	16142	284	56.8	31.6	19.8	3.0	7.2	2.0
West Sculcoates.	42311	493	85.8	25.4	15.5	1.8	4.3	1.4
Humber	30734	409	75.1	23.0	19.8	2.4	4.1	2.4
Myton	53759	722	74.4	30.5	15.9	1.5	4.7	1.6
Newington	35057	1498	23.4	40.0	15.9	1.8	6.5	2.0
Newland	14110	1872	7.5	31.8	14.2	1.1	3.1	1.0
Marfleet	379	1285	0.2	...	...	...	...	...
City Total.....	249639	9202	27.1	31.2	16.6	2.2	5.0	2.0

Marriages.

During the year 1903 the number of marriages registered in the City was 2099, as against 2134 in 1902, 2094 in 1901, and 2107 in 1900. The marriages were distributed over the four quarters of the year as follows:—First quarter, 401; second quarter, 559; third quarter, 589; fourth quarter, 550.

The marriage rate, *i.e.*, persons married to 1000 inhabitants, was 16·8 in 1903 as against 17·4 in 1902, 17·3 in 1901, and 17·6 in 1900.

The marriage rate in England and Wales was 15·6 per 1000, compared with 15·9 in 1902, 16·0 in 1901, and 16·5 in 1900.

The following table shews the number of marriages that have taken place in Hull during the undermentioned years:—

Year.	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903
No of Marriages	1798	1872	1636	1845	1841	1977	2202	2160	2060	2107	2094	2132	2099

Chief Epidemic Diseases.

Five hundred and fifty-three deaths have been recorded from the seven principal Zymotic diseases; a mortality at the rate of 2·22 per 1000 of the population, and distributed over the four quarters of the year as follows:—First quarter, 135; second quarter, 87; third quarter, 280; and fourth quarter, 51 respectively.

The average number of deaths from the seven principal Zymotic diseases for the past 20 years was 548.

The death-rate from these diseases during the year 1903 in the seventy-six great towns, including London, averaged 1·89 of their estimated population. The highest aggregate death-rates from the seven principal Zymotic diseases above enumerated were 2·97 in Middlesbrough, 3·08 in Hanley, 3·09 in Preston, 3·10 in Sheffield, 3·29 in Warrington, and 4·18 in Wigan.

The following table shews the deaths per 1000 from the seven principal Zymotic diseases in Kingston upon Hull for the years 1876 to 1903 :—

Year.	Seven Zymotic Diseases.	Small Pox.	Measles.	Scarla- tina.	Diphth- eria.	Whooping Cough.	Fevers.	Diarrhoea
1876	3.52	—	0.33	0.42	0.07	0.44	0.55	1.71
1877	2.94	1.01	0.28	0.22	0.09	0.44	0.40	1.50
1878	4.13	0.01	0.03	0.14	0.04	0.40	0.65	2.87
1879	2.33	—	0.26	0.53	0.10	0.61	0.36	0.47
1880	4.80	—	1.34	0.40	0.03	0.95	0.31	1.75
1881	6.12	0.02	0.05	4.48	0.03	0.24	0.39	0.90
1882	4.59	0.10	0.52	1.66	0.05	0.18	0.37	1.68
1883	2.91	0.03	0.04	0.44	0.12	1.28	0.36	0.68
1884	3.53	0.09	0.47	0.29	0.14	0.34	0.40	1.82
1885	1.06	0.05	0.08	0.20	0.03	0.16	0.20	0.31
1886	2.33	—	0.14	0.24	0.02	0.40	0.14	1.37
1887	2.70	0.01	0.62	0.34	0.05	0.41	0.14	1.10
1888	1.16	0.09	0.01	0.18	0.04	0.21	0.16	0.42
1889	2.80	—	0.91	0.06	0.04	0.55	0.21	1.02
1890	1.61	0.01	0.07	0.11	0.07	0.32	0.17	0.85
1891	1.45	—	0.35	0.09	0.05	0.15	0.18	0.60
1892	2.43	—	0.70	0.11	0.04	0.54	0.15	0.85
1893	4.01	0.04	0.59	0.15	0.09	0.36	0.45	2.27
1894	1.57	0.01	0.42	0.17	0.08	0.37	0.15	0.33
1895	3.21	—	0.07	0.17	0.11	0.20	0.22	2.41
1896	3.20	—	1.15	0.24	0.17	0.47	0.27	0.86
1897	2.96	—	0.09	0.27	0.08	0.25	0.23	2.00
1898	2.63	—	0.34	0.11	0.04	0.29	0.24	1.58
1899	3.38	0.61	0.47	0.17	0.09	0.56	0.18	1.26
1900	3.02	0.07	0.54	0.17	0.06	0.28	0.20	1.69
1901	3.02	—	0.48	0.06	0.15	0.38	0.22	1.70
1902	2.19	—	0.75	0.06	0.34	0.42	0.18	0.41
1903	2.22	0.02	0.46	0.02	0.30	0.09	0.06	1.23

NOTE.—In this Table when no Deaths occurred — is inserted.

No. 8.—TABLE SHEWING THE DEATHS FROM THE PRINCIPAL ZYMOTIC DISEASES
IN THE TWENTY YEARS, 1884 TO 1903.

DISEASE.	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	Proportion of deaths to 1,000 deaths in 1902.	Proportion of deaths to 1,000 deaths in 1903.
Cholera	...	...	...	...	...	..	...	...	2	12	...	...	...	...	...	...	...	...	...	...	.....	.....
„ (English)	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	.....	.....
Small Pox	18	10	...	2	19	...	3	...	...	9	3	...	...	1	...	144	17	...	...	6	.....	1.4
Measles	86	15	28	123	4	191	15	71	145	126	91	17	256	22	79	112	130	117	186	117	44.9	28.2
Scarlatina	43	38	47	67	38	13	25	19	24	33	37	38	54	62	27	42	42	16	17	7	4.1	1.6
Diphtheria	27	7	4	11	10	10	16	12	10	20	19	25	39	19	10	23	15	38	85	75	20.5	18.1
Whooping Cough	62	31	78	82	44	115	70	32	111	77	79	44	106	57	67	132	68	93	104	23	25.1	5.5
Fevers	73	38	27	29	34	44	35	37	31	96	34	49	61	53	57	43	48	55	45	17	10.8	4.1
Diarrhoea	331	59	262	217	86	213	183	122	176	474	72	524	191	451	365	295	404	411	101	308	24.4	74.4
Totals ...	640	198	446	531	235	586	347	293	499	847	335	697	707	666	605	791	724	730	538	553	130.0	133.4

No. 9.—TABLE SHEWING THE TOTAL NUMBER OF DEATHS AND THE DEATH RATE IN EACH DISTRICT DURING EACH QUARTER OF THE YEAR, also the Total Number of Deaths and the Death Rate in the City during the year 1903.

DISTRICTS.	1ST QUARTER.		2ND QUARTER.		3RD QUARTER.		4TH QUARTER.		Total No. of Deaths.	Death Rate per 1000.
	No. of Deaths.	Death Rate per 1000 per annum	No. of Deaths.	Death Rate per 1000 per annum	No. of Deaths.	Death Rate per 1000 per annum	No. of Deaths.	Death Rate per 1000 per annum		
Drypool	180	16.7	165	15.3	153	14.2	177	16.4	675	15.6
Sutton.....	81	23.1	59	16.8	67	19.1	55	15.7	262	18.7
East Sculcoates.....	72	18.0	80	20.0	91	22.7	74	18.5	317	19.8
West Sculcoates ...	174	16.5	146	13.9	179	17.0	153	14.5	652	15.5
Humber	177	22.8	144	18.5	169	21.8	126	16.2	616	19.8
Myton	207	15.3	199	14.7	237	17.5	218	16.1	861	15.9
Newington	129	14.7	123	14.0	168	19.2	137	15.6	557	15.9
Newland.....	46	13.1	50	14.2	51	14.5	53	15.1	200	14.2
Marfleet	...	...	...	..	...	...	3	...	3	...
City total.....	1066	17.1	966	15.5	1115	17.9	996	16.0	4143	16.6

No. 10.—BIRTH RATE, DEATH RATE, AND ANALYSIS OF THE ZYMOTIC DEATH RATE IN TWENTY LARGE TOWNS FOR THE YEAR ENDED DEC. 31ST, 1903.

CITIES AND BOROUGHES.		ANNUAL RATE PER 1000 LIVING.												Annual Rate of Mortality per 1000 living.		Percentage to total deaths.												
		Total Deaths 52 or 53 Weeks ended				Deaths from																						
		Births in 52 weeks ended 2nd Jan., 1904.	29th Dec., 1900.				28th Dec., 1901.				3rd Jan., 1903.				2nd Jan., 1904.				Principal Epi- demic Diseases	Small Pox.	Measles.	Scarlet Fever.	Diph- theria.	Whoop- ing Cough.	Fevers.	Diarr- hea.	Vio- lence.	Deaths under 1 year to 1000 Births.
			29th Dec., 1900.	28th Dec., 1901.	3rd Jan., 1903.	2nd Jan., 1904.	Principal Epi- demic Diseases	Small Pox.	Measles.	Scarlet Fever.	Diph- theria.	Whoop- ing Cough.	Fevers.	Diarr- hea.	Vio- lence.													
London	4,613,812	28.4	19.1	17.6	17.7	15.7	1.77	0.00	0.45	0.08	0.16	0.35	0.09	0.64	0.68	131	8.5	62.9	10.2	35.4	0.3							
Liverpool	716,810	33.4	23.9	22.3	22.5	20.5	2.51	0.19	0.18	0.27	0.23	0.43	0.23	0.98	0.85	159	11.6	78.3	6.6	29.0	3.4							
Manchester ...	553,486	32.1	24.5	22.1	20.0	19.7	2.54	0.05	0.63	0.17	0.24	0.39	0.17	0.89	0.72	169	11.1	78.8	7.0	24.5	1.4							
Birmingham ...	533,039	31.8	21.6	20.5	18.6	17.8	2.32	0.02	0.36	0.27	0.26	0.17	0.13	1.11	0.76	159	9.3	74.0	6.1	23.9	2.3							
Leeds.....	443,559	29.4	20.4	19.3	17.6	16.6	1.76	0.05	0.28	0.25	0.15	0.27	0.13	0.63	0.61	153	8.8	69.9	8.7	14.8	0.4							
Sheffield.....	425,528	33.2	22.0	20.4	17.1	18.6	3.10	0.01	0.79	0.22	0.09	0.61	0.11	1.27	0.54	182	9.6	71.0	4.6	16.1	2.6							
Bristol	338,895	27.4	16.6	16.0	17.4	14.3	1.08	0.01	0.03	0.15	0.35	0.20	0.06	0.28	0.57	116	7.4	60.4	9.1	23.2	0.5							
Bradford	283,412	23.3	17.2	16.8	15.8	16.4	1.36	0.04	0.05	0.10	0.19	0.32	0.15	0.51	0.55	148	8.5	78.5	7.7	16.5	0.7							
West Ham.....	281,894	33.7	19.1	17.9	17.1	15.3	2.65	—	0.49	0.07	0.26	0.59	0.13	1.11	0.57	146	7.9	64.8	7.6	22.2	0.3							
Hull.....	249,639	31.3	19.9	18.7	17.2	16.9	2.19	0.02	0.42	0.03	0.31	0.09	0.07	1.25	0.65	162	8.7	62.3	7.2	16.4	1.4							
Nottingham ...	245,955	28.3	19.5	18.5	16.7	16.9	2.01	0.01	0.39	0.14	0.26	0.39	0.14	0.68	0.57	165	8.4	66.7	6.2	19.0	0.7							
Salford	226,480	32.3	25.3	21.7	19.3	19.0	2.86	0.03	0.58	0.25	0.38	0.42	0.22	0.98	0.60	167	10.7	72.8	7.4	19.0	0.6							
Newcastle	222,241	31.1	21.5	21.9	19.9	19.2	1.22	0.04	0.05	0.12	0.17	0.23	0.03	0.58	1.04	165	10.8	75.6	9.4	19.8	0.5							
Leicester	220,272	27.4	18.3	15.9	14.9	14.2	1.46	0.10	0.34	0.07	0.13	0.16	0.06	0.60	0.48	160	6.7	60.4	8.1	17.1	1.2							
Portsmouth ...	194,960	27.9	18.1	17.9	16.8	14.7	1.50	—	0.09	0.14	0.39	0.17	0.12	0.59	0.54	114	7.6	62.4	7.8	18.0	1.0							
Bolton	173,401	27.0	19.2	18.2	16.9	17.5	1.99	0.02	0.27	0.34	0.21	0.05	0.20	0.90	0.58	152	9.8	82.8	8.0	12.8	0.3							
Cardiff	172,598	30.5	16.6	15.8	16.8	14.0	1.32	0.02	0.16	0.17	0.20	0.22	0.09	0.46	0.61	122	7.7	63.5	9.1	15.5	0.1							
Sunderland ...	149,572	35.1	21.8	21.4	19.5	19.9	2.37	0.02	0.81	0.23	0.21	0.34	0.16	0.60	0.70	157	11.2	71.6	5.5	16.7	2.7							
Oldham	138,786	25.6	21.9	19.6	19.1	18.6	2.34	0.17	0.27	0.22	0.39	0.78	0.09	0.42	0.52	160	10.9	75.4	6.4	13.4	0.1							
Blackburn	131,218	25.1	22.1	19.5	16.9	15.7	1.49	0.02	0.41	0.11	0.20	0.10	0.13	0.52	0.50	157	7.9	78.2	5.7	11.4	2.6							

Note.—In this Table when no deaths occurred, — is inserted.

No. 11.—DEATH-RATE from ALL CAUSES from the PRINCIPAL EPIDEMIC DISEASES, and from INFANTILE MORTALITY, in the TWENTY GREAT TOWNS, in the Ten Years, 1893-1902 and in 1903.

CITIES AND BOROUGHS.	All Causes.		Small-Pox.		Measles.		Scarlet Fever.		Diphtheria.		Whooping- Cough.		Fever.		Diarrhoea.		Deaths under one year to 1000 Births	
	Ten years, 1893-02	1903	Ten years, 1893-02	1903	Ten years, 1893-02	1903	Ten years, 1893-02	1903	Ten years, 1893-02	1903	Ten years, 1893-02	1903	Ten years, 1893-02	1903	Ten years, 1893-02	1903	Ten years, 1893-02	1903
London	18.9	15.7	0.04	0.00	0.55	0.45	0.17	0.08	0.48	0.16	0.45	0.35	0.15	0.09	0.80	0.64	158	131
Liverpool	23.9	20.5	0.02	0.19	0.50	0.18	0.32	0.27	0.23	0.23	0.53	0.43	0.33	0.23	1.50	0.98	189	159
Manchester ...	23.1	19.7	0.01	0.05	0.75	0.63	0.23	0.17	0.20	0.24	0.50	0.39	0.19	0.17	1.44	0.89	188	169
Birmingham ...	20.5	17.8	0.05	0.02	0.44	0.36	0.22	0.27	0.26	0.26	0.50	0.17	0.22	0.13	1.33	1.11	188	159
Leeds	19.6	16.6	0.01	0.05	0.53	0.28	0.16	0.25	0.34	0.15	0.39	0.27	0.20	0.13	1.14	0.63	179	153
Sheffield	20.1	18.6	0.00	0.01	0.53	0.79	0.19	0.22	0.44	0.09	0.41	0.61	0.29	0.11	1.49	1.27	186	182
Bristol	17.6	14.3	0.02	0.01	0.45	0.03	0.11	0.15	0.24	0.35	0.39	0.20	0.12	0.06	0.66	0.28	144	116
Bradford	18.1	16.4	0.07	0.04	0.36	0.05	0.20	0.10	0.12	0.19	0.32	0.32	0.18	0.15	0.90	0.51	168	148
West Ham ...	18.4	15.3	0.11	—	0.62	0.49	0.16	0.07	0.65	0.26	0.49	0.59	0.27	0.13	1.25	1.11	169	146
Hull	19.2	16.9	0.08	0.02	0.53	0.42	0.17	0.03	0.16	0.31	0.38	0.09	0.25	0.07	1.58	1.25	176	162
Nottingham ...	18.5	16.9	0.00	0.01	0.35	0.39	0.19	0.14	0.10	0.26	0.33	0.39	0.30	0.14	1.26	0.68	185	165
Salford	23.1	19.0	0.01	0.03	0.86	0.58	0.37	0.25	0.32	0.38	0.61	0.42	0.35	0.22	1.67	0.98	202	167
Newcastle	21.1	19.2	0.00	0.04	0.58	0.05	0.14	0.12	0.16	0.17	0.45	0.23	0.15	0.03	0.82	0.58	173	165
Leicester	17.4	14.2	0.01	0.10	0.36	0.34	0.20	0.07	0.50	0.13	0.32	0.16	0.16	0.06	1.48	0.60	187	160
Portsmouth ...	17.6	14.7	0.00	—	0.41	0.09	0.10	0.14	0.30	0.39	0.32	0.17	0.27	0.12	1.18	0.59	162	114
Bolton	20.3	17.5	0.01	0.02	0.64	0.27	0.26	0.34	0.12	0.21	0.47	0.05	0.29	0.20	1.39	0.90	175	152
Cardiff	17.8	14.0	0.01	0.02	0.44	0.16	0.13	0.17	0.54	0.20	0.48	0.22	0.11	0.09	0.83	0.46	159	122
Sunderland ...	21.3	19.9	0.01	0.02	0.50	0.81	0.20	0.23	0.09	0.21	0.44	0.34	0.50	0.16	1.31	0.60	175	157
Oldham	20.9	18.6	0.09	0.17	0.64	0.27	0.24	0.22	0.18	0.39	0.42	0.78	0.14	0.09	0.82	0.42	177	160
Blackburn	20.5	15.7	0.01	0.02	0.82	0.41	0.20	0.11	0.26	0.20	0.36	0.10	0.25	0.13	1.33	0.52	199	157

NOTE.—In this table 0.00 indicates that the deaths were too few to give a rate of 0.005; when no death occurred — is inserted.

No. 12.—Returns made by the Vaccination Officers of the Hull and Sculcoates Unions respecting
the VACCINATION of CHILDREN whose births were Registered during the year 1902.

Districts.	Births.	Successfully Vaccinated.	Insusceptible.	Dead Unvaccinated.	Postponement by Certificate.	Not accounted for.	Conscientious Objection Certificates.
Drypool	1438	1244	8	131	7	47	1
Sutton.....	529	461	5	48	3	11	1
East Sculcoates.....	574	506	2	56	1	8	1
West Sculcoates	1126	980	9	95	1	39	2
Humber	757	580	3	90	3	78	3
Myton	1697	1267	9	184	14	214	9
Newington	1368	1069	2	173	35	78	11
Newland.....	457	401	1	37	3	10	5
Marfleet	9	9	—	—	—	—	—
Totals	7955	6517	39	814	67	485	33

Scarlatina.

Seven deaths have been reported from Scarlatina during the year, being a mortality at the rate of 0·02 per 1000 per annum of the estimated population.

The average death-rate from Scarlatina for the seventy-six great towns was 0·14 per 1000 per annum. The deaths from Scarlatina were distributed over the four quarters of the year as follows :—First quarter, 2 ; second quarter, 2 ; third quarter, 2 ; and fourth quarter, 1.

The average number of deaths from Scarlatina in the City during the past twenty years was 35.

Measles.

Measles accounted for 117 deaths in 1903, as against 186 deaths in 1902, and 117 in 1901. The death-rate from Measles was equal to 0·46 per 1000 per annum of the estimated population. The average death-rate from measles for the seventy-six great towns was 0·36 per annum. The deaths from Measles were distributed over the four quarters of the year as follows :—First quarter, 78 ; second quarter, 29 ; third quarter, 7 ; and fourth quarter, 3. The average number of deaths from Measles in the City during the past twenty years was 96.

Measles.

Measles continued exceedingly prevalent during the first quarter of the year.

By resolution of the Sanitary Committee, the public elementary schools in the city were closed for a period of one month from the 22nd December, 1902, also the managers of the Sunday Schools in the City were asked to close their schools for a similar period.

Previously, 19 schools in various parts of the city had been closed at the request of your Committee.

The first representation for closure of schools was made on the 24th October, 1902, and following representations upon the 21st November, 5th December, and 19th December, 1902.

Measles is highly infectious before it reaches the stage at which it can be definitely recognized, and, as with influenza, preventive measures have largely failed by reason of the method of its spread.

The closing of the schools was followed with a material diminution in the number of notifications and mortality.

The following statement is interesting, as showing the number of notifications, mortality, and the influence of the closing of the schools upon the epidemic.

Statement shewing the Number of Notifications of Measles and Mortality in Age Periods, also Percentage of Deaths to Notification, from the week ended 20th September, 1902, to the week ended 10th January 1903.

Week Ended.	No. of Notifications.	No. of Deaths.		Total Deaths.	Percentage of deaths to Cases Notified.	Mortality in Age Periods					
						0 to 1		1 to 5		5 to 15	
		M.	F.			M.	F.	M.	F.	M.	F.
1902.											
Sept. 20	42	—	—	—	—	—	—	—	—	—	—
" 27	48	—	—	—	—	—	—	—	—	—	—
Oct. 4	76	2	1	3	3·9	2	1	2	—	—	—
" 11	98	2	1	3	3·0	2	—	2	1	—	—
" 18	103	2	2	4	3·8	2	1	2	1	—	—
" 25	196	4	1	5	2·5	3	—	3	1	—	—
Nov. 1	205	2	4	6	2·9	1	1	1	2	—	1
" 8	208	8	6	14	6·7	1	—	7	5	—	1
" 15	275	2	7	9	3·3	—	2	2	5	—	—
" 22	251	4	8	12	4·7	2	—	2	8	—	—
" 29	366	8	5	13	3·5	2	—	6	5	—	—
Dec. 6	589	11	4	15	2·5	2	2	8	2	1	—
" 13	626	9	9	18	2·8	3	2	6	5	—	2
" 20	560	11	18	29	5·1	1	6	8	12	2	—
" 27	373	13	12	25	6·7	2	3	9	9	2	—
1903.											
Jan. 3	238	10	16	26	10·9	1	1	8	13	1	2
" 10	195	5	6	11	5·6	1	1	4	4	—	1
	4449	93	100	193	4·3	17	20	70	73	6	7

Statement shewing the Number of Notification of Measles and Mortality in Registration Districts
from the week ended 20th September, 1902, to the week ended 10th January, 1903 :—

Week Ended.	Drypool.		Sutton.		E. Sculcoates.		W. Sculcoates.		Humber.		Myton.		Newington.		Newland.	
	Notifi- cations	Deaths	Notifi- cations	Deaths	Notifi- cations	Deaths	Notifi- cations	Deaths	Notifi- cations	Deaths	Notifi- cations	Deaths	Notifi- cations	Deaths	Notifi- cation	Deaths
1902.																
September 20	2	...	...	...	...	...	3	...	6	...	16	...	9	...	6	...
" 27	...	...	...	...	2	...	1	...	7	...	30	...	2	...	6	...
October 4	3	...	1	...	...	...	1	...	11	1	41	2	3	...	16	...
" 11	4	...	...	...	1	...	6	...	25	1	39	1	4	1	19	...
" 18	1	...	...	...	3	...	...	...	17	1	49	3	6	...	27	...
" 25	11	...	1	...	1	...	7	...	35	2	126	3	3	...	12	...
November 1	20	...	4	...	...	...	10	...	22	1	125	4	7	1	17	...
" 8	23	1	4	...	2	...	10	...	36	3	113	10	12	...	8	...
" 15	60	2	4	...	...	...	34	...	17	2	125	5	31	...	4	...
" 22	50	2	1	...	2	...	12	...	24	2	109	8	53	...	...	...
" 29	82	2	7	...	3	...	59	4	31	2	106	4	68	1	10	...
December 6	147	3	11	1	5	1	71	1	45	4	119	2	187	3	4	...
" 13	220	2	43	...	6	...	67	3	61	4	85	8	120	1	24	...
" 20	243	8	46	1	3	...	67	6	52	...	45	8	92	6	12	...
" 27	166	8	53	3	3	1	25	3	26	6	29	...	55	4	16	...
1903.																
January 3	75	11	30	2	15	2	23	3	20	1	24	3	40	4	11	...
" 10	64	6	23	3	12	...	28	...	18	1	14	1	23	...	13	...
	1171	45	228	10	58	4	424	20	453	31	1195	62	715	21	205	...

Diphtheria.

There have been 75 deaths from Diphtheria, as against 85 in 1902, and 38 in 1901. The death-rate was equal to 0·30 per 1000 per annum. The average mortality from Diphtheria for the seventy-six great towns was 0·20 per annum. The deaths from Diphtheria were distributed over the four quarters of the year as follows :—First quarter, 28 ; second quarter, 29 ; third quarter, 7 ; and fourth quarter, 11. The average number of deaths from Diphtheria in the City during the past twenty years was 24.

Whooping Cough.

Whooping Cough occasioned 23 deaths, as against 104 in 1902, and 93 in 1901. The death-rate was equal to 0·09 per 1000 per annum. The average mortality from Whooping Cough for the seventy-six great towns was 0·33 per annum. The deaths from Whooping Cough were distributed over the four quarters of the year as follows :—First quarter, 8 ; second quarter, 9 ; third quarter, 3 ; and fourth quarter, 3. The average number of deaths from Whooping Cough in the City during the past twenty years was 74.

Fever.

This term embraces the three forms—Typhus, Typhoid, and Simple Continued Fever—and caused 17 deaths, being at the rate of 0·06 per 1000 of the estimated population. The average mortality from Fever for the seventy-six great towns was 0·12 per annum. The deaths were distributed over the four quarters of the year as follows :—First quarter, 7 ; second quarter, 1 ; third quarter, 8 ; and fourth quarter, 1. The average number of deaths from Fever in the City during the past twenty years was 45.

No. 13.—TABLE shewing the number of DEATHS from TYPHOID FEVER, with the Age, Sex and District in which they occurred, from the 1st January to the 31st December, 1903, inclusive.

DISTRICTS.	0 to 1.		1 to 5.		5 to 15.		15 to 25.		25 to 65.		65 & up.		M.	F.	TOTAL.
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			
Drypool	...	...	...	...	...	...	...	1	3	1	...	...	3	2	5
Sutton	...	...	...	...	...	...	...	...	1	...	...	...	1	...	1
E. Sculcoates	...	...	...	...	...	...	1	...	...	...	...	...	1	...	1
W. Sculcoates	...	...	...	...	...	...	1	1	...	...	...	...	1	1	2
Humber	...	...	...	...	...	...	...	...	...	3	...	...	...	3	3
Myton	...	...	...	...	...	...	...	...	1	...	...	...	1	..	1
Newington	...	...	...	...	...	...	1	...	...	2	...	...	1	2	3
Newland	...	...	...	...	...	...	1	...	...	...	...	...	1	...	1
Marfleet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS.....	...	...	...	...	...	...	4	2	5	6	...	...	9	8	17

Diarrhœa.

Diarrhœa occasioned 308 deaths, a mortality of 1·23 per 1000 per annum of the estimated population. The average mortality from Diarrhœa for the seventy-six great towns was 0·71 per annum. The deaths from Diarrhœa were distributed over the four quarters of the year as follows:—First quarter, 11 ; second quarter, 13 ; third quarter, 252 ; and fourth quarter, 32. The average number of deaths from Diarrhœa in the City during the past twenty years was 262. The highest mortality from Diarrhœa in the seventy-six great towns was 1·40 in Burnley, 1·41 in Middlesborough and 1·53 in Bootle.

Infantile Diarrhœa.

Of 308 deaths from Diarrhœa, 256 were children aged one year and under, and of this latter number 212 died in the autumnal quarter, 186 of which were bottle-fed or had received a mixed diet, and 26 only had been breast-fed.

TABLE No. 14.—SHEWING TOTAL NUMBER OF DEATHS FROM
DIARRHŒA DURING THE YEARS 1885 TO 1903 INCLUSIVE ;
ALSO THE NUMBER OF DEATHS OF CHILDREN OCCURRING
IN THE AUTUMNAL QUARTERS OF THE SAME YEARS.

Year.	Total Number of Deaths.	No. of Deaths aged 1 year and under.	No. of Deaths during Autumnal Quarter, aged 1 year and under.	Bottle Fed and Mixed Diet.	Breast Fed.
1885	59	43	23	18	5
1886	262	193	155	141	14
1887	214	170	154	124	30
1888	86	59	39	33	6
1889	213	157	131	109	22
1890	183	140	89	72	17
1891	122	100	81	65	16
1892	176	131	106	98	8
1893	474	373	343	300	43
1894	72	59	32	26	6
1895	524	399	343	299	44
1896	191	154	133	108	25
1897	451	368	338	290	48
1898	365	325	259	235	24
1899	295	254	230	211	19
1900	404	322	277	227	50
1901	411	341	306	257	49
1902	101	81	38	35	3
1903	308	256	212	186	26

No. 15.—TABLE shewing the Population and Deaths from Diarrhoea during the Third Quarters of the years 1876 to 1903, both inclusive; also the total Rainfall in inches and Temperature for the same period.

JULY. AUGUST. SEPTEMBER.

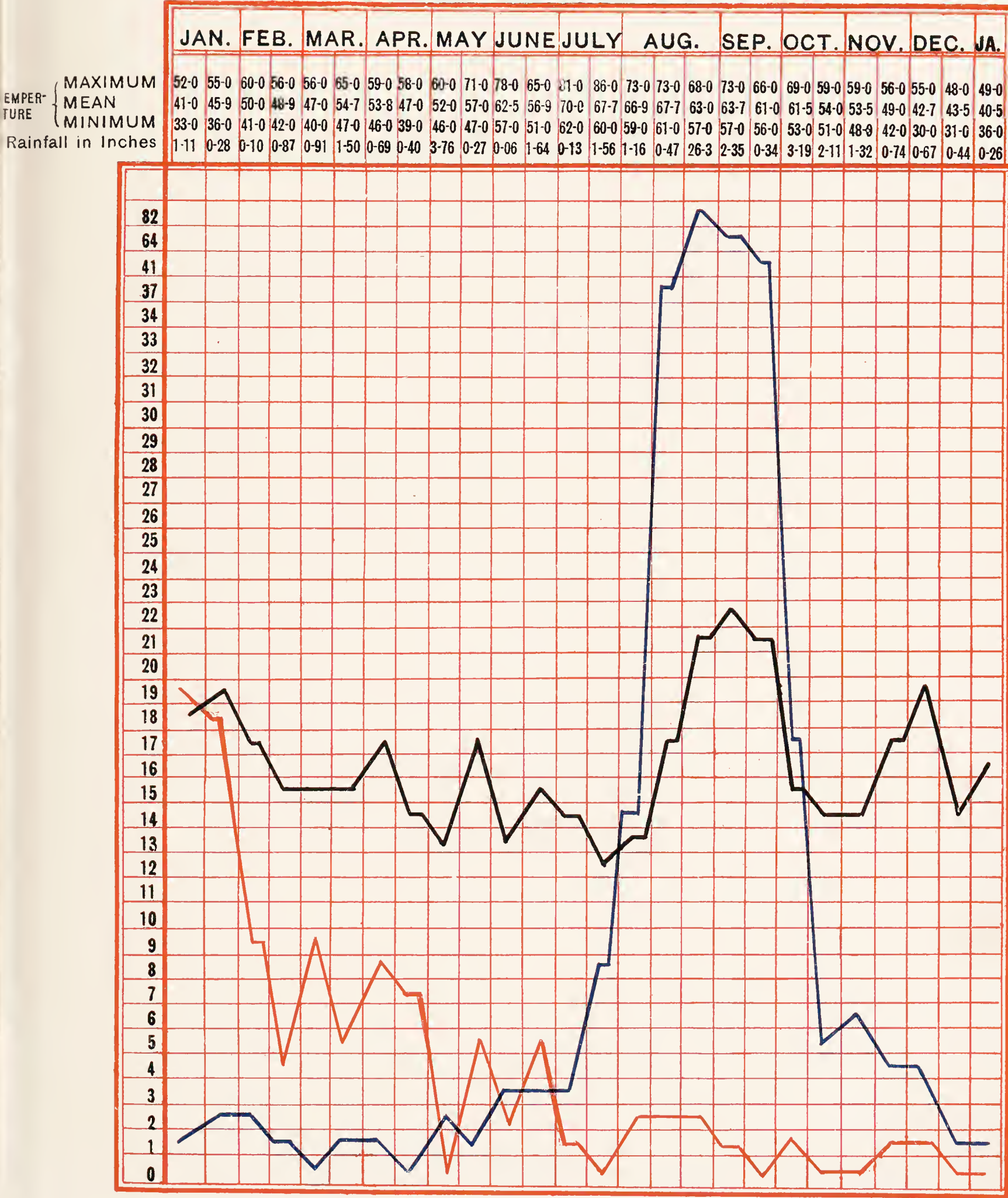
Years.	Population.	Deaths from Diarrhoea.	Mean of Maximum.	Highest Reading.	Date.	Total Rainfall.	Mean of Maximum.	Highest Reading.	Date.	Total Rainfall.	Mean of Maximum.	Highest Reading.	Date.	Total Rainfall.
1876	137,630	193	73.9	87	16	ins. 3.49	69.5	83	14	ins. 1.50	61.4	69	5,22	ins. 3.12
1877	141,050	145	69.2	75	10,30,11	2.61	66.1	74	5	4.90	59.1	67	11	4.46
1878	144,450	336	71.3	86	20	0.88	69.1	73	2,7,8,12,18	5.31	63.7	73	6	2.81
1879	147,940	18	65.3	78	28,30	3.51	66.2	73	20	6.54	62.2	72	7	2.57
1880	151,500	208	67.2	75	25	4.57	69.3	77	10	1.87	66.4	76	5	5.05
1881	155,160	109	69.1	85	4	2.79	65.1	83	5	6.45	61.8	71	19	3.34
1882	158,814	227	71.1	76	27,28	1.98	69.2	79	11	3.18	65.0	72	8,10	1.60
1883	176,296	73	69.0	75	7,8,9,31	3.15	69.9	77	13	1.33	63.6	72	17	4.29
1884	181,225	273	71.3	81	2	2.13	75.7	85	24	1.46	65.9	77	17	1.09
1885	186,292	26	68.8	84	25	0.56	62.5	74	16	2.01	61.2	71	15	2.46
1886	191,501	201	68.5	82	3,4	2.52	68.4	80	30	2.10	63.2	74	14	1.06
1887	196,855	188	73.0	83	8	1.13	69.0	80	6	1.57	59.3	68	3	2.55
1888	202,359	39	62.0	71	22,23	5.75	65.5	79	9	2.41	60.5	69	3	1.59
1889	208,017	168	64.8	70	31	1.38	65.7	70	1	4.03	64.3	71	9,10,11	1.38
1890	213,833	122	67.3	72	31	1.57	65.1	71	4,5	3.12	66.2	69	8,10	1.44
1891	200,934	81	68.1	79	17	2.87	64.9	71	2,19	3.79	66.2	82	10	1.30
1892	204,750	139	66.1	72	2	1.67	67.8	73	21	2.85	64.4	68	27	1.34
1893	208,639	431	68.5	77	2,8	2.37	73.9	93	18	2.21	64.3	77	45	1.81
1894	212,679	35	69.9	80	5	2.23	65.7	71	30	2.22	58.3	69	11	0.84
1895	216,722	442	69.1	82	8	5.61	70.5	79	21	3.65	70.0	78	2,9	1.08
1896	220,844	155	72.4	85	20	1.16	65.0	72	12,13	2.78	61.8	70	13	3.83
1897	225,045	399	69.6	80	23	0.40	71.2	81	5	2.79	61.1	69	24	3.21
1898	229,887	301	67.3	74	22,31	0.50	69.2	81	12	3.71	68.2	85	17	0.26
1899	234,270	268	72.6	81	11,19	1.59	71.8	87	1	0.68	63.9	84	5	2.55
1900	238,736	341	74.0	85	25	1.62	67.2	79	13	4.71	65.2	73	13	1.37
1901	241,622	367	73.6	84	17,18	1.96	71.1	81	18	5.75	64.8	73	10	0.78
1902	245,448	53	66.6	84	15	2.43	64.0	75	16	2.18	63.0	72	6	0.69
1903	249,639	252	67.7	86	10	2.68	65.0	73	8	3.19	62.9	73	1	3.13

CHART shewing the number of DEATHS from prevailing ZYMOTIC DISEASES, and the DEATH RATE from all causes, together with the TEMPERATURE and RAINFALL in fortnights. 1903.

Death Rate—

Diarrhœa—

Measles—



Disease Map.

I append to my Report a Map of the City, shewing the distribution of deaths from Diarrhœa. Whooping Cough, Measles, Typhoid Fever, Scarlatina and Diphtheria.

Bacteriology.

The following statement shews the number of cases and results of Bacteriological examinations during the year 1903 :—

DISEASE SUSPECTED.	NUMBER OF CASES.	RESULT.		
		Positive.	Doubtful.	Negative.
Diphtheria	379	173	5	201
Typhoid Fever...	23	2	2	19
Phthisis	14	4	—	10
Cancer	1	—	—	1
TOTALS.....	417	179	7	231

Hospitals.

Six hundred and eighty-two patients have been treated in the Hospitals. Of this number 616 have been admitted during the year 1903, as against 748 in 1902 and 486 in 1901.

Of the cases admitted into Hospital, 98 were suffering from Small Pox, 219 from Scarlatina, 183 from Diphtheria, 40 from Typhoid Fever, 2 from Beri-Beri, and 74 were admitted for isolation.

The admissions were distributed over the four quarters of the year as follows :—

First quarter, 184 ; second quarter, 198 ; third quarter, 119 ; fourth quarter, 115.

Four hundred and ninety-two cases of Scarlatina were notified to the Authority, of which number 200 or 40·7% were removed to the Sanatorium for isolation. Of the 200 admitted, 3 proved fatal, giving a case fatality of 1·5% of the cases

admitted. Nineteen cases in addition were admitted from outside the boundary, or from vessels arriving in Port, one of which proved fatal.

Ninety-seven persons were notified as suffering from Typhoid Fever, of which number 34, or 35.1 % were isolated at the Sanatorium. Of these 34 cases, 4 proved fatal, giving a case fatality of 11.7 % of the cases admitted. Six cases in addition have been admitted from vessels or from outside the City boundary, one of which proved fatal.

Four hundred and ninety-four persons were notified as suffering from Diphtheria. Of this number, 177 or 35.8 % were removed to the Hospitals for isolation. Six cases in addition have been admitted from vessels or from outside the City boundary, one of which proved fatal.

The percentage of deaths from all causes to the total admissions was equal to 6.9 %, as against 7.3 % during the year 1902, and 6.9 % during the year 1901.

The average daily number of patients in the Hospitals was 70, and the average stay of each patient was 39 days.

During the year, a small detached building at the Sanatorium in which doubtful cases were isolated was reconstructed and converted into a "Discharge Block." This building is now thoroughly equipped for the efficient bathing and disinfection of patients previous to their discharge.

The wards appropriated for the treatment of diphtheria patients have been re-plastered and painted, and undergone such improvements as render them better fitted for the proper treatment of this disease.

Your Hospitals Sub-Committee requested the Superintendent of the Fire Brigade to examine the fire-appliances, etc., at the hospitals, and, acting upon his report, ordered certain structural alterations and provided up-to-date fire appliances in the use of which instruction is now regularly given to the officials by the Superintendent.

Telephonic communication has been established between the various wards and administrative blocks at the hospitals.

Steps are now being taken for the provision of additional wards for the isolation and observation of doubtful cases. These extensions will greatly facilitate the administration of the Hospitals.

As a natural sequence to the increased population, one must be continually extending the Hospital accommodation and appliances for those cases in which special isolation and treatment is necessary.

Daily papers have been received from the Public Libraries, and many kind friends have generously subscribed presents for the use of the patients, which have received your Committee's grateful acknowledgments.

The following table shews the number of Cases Admitted into the Hospitals in age periods, and the diseases from which they were suffering, and includes Patients admitted from ships and from outlying districts, as well as those from within the City boundary:—

DISEASES.	AGES.									TOTALS.
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 up- wards.	
Plague	...	...	...	...	...	...	...	...	...	...
Small Pox ...	5	3	17	23	21	16	11	1	2	98
Measles	...	...	...	...	...	...	...	...	...	...
Scarlatina.....	...	45	130	34	8	1	1	...	...	219
Diphtheria ...	...	56	103	10	14	...	...	...	...	183
Typhoid Fever	...	2	9	12	10	4	2	1	...	40
Beri Beri.....	...	...	...	...	1	...	1	...	...	2
Isolation	3	10	15	10	17	11	2	3	3	74
Totals.....	8	116	274	89	71	32	17	5	5	616

Table shewing the number of the deaths which occurred in the Hospitals and the districts from which they were removed.

DISEASES.	Drypool.	Sutton.	East Sculcoates.	West Sculcoates.	Humber.	Myton.	Newington.	Newland.	Marfleet.	From Outside City Boundary.	TOTALS.
Small Pox.....	1	...	2	...	2	1	...	...	...	...	6
Measles	...	...	...	...	1	...	...	...	...	...	1
Scarlatina	...	...	...	...	...	2	...	...	...	1	3
Diphtheria ...	10	1	1	5	4	...	2	4	...	1	28
Typhoid Fever	1	1	...	...	...	1	...	...	...	1	4
Beri Beri	...	...	...	...	...	..	...	...	...	1	1
	12	2	3	5	7	4	2	4	...	4	43

Diphtheria.

The appended table gives the particulars of 183 cases of Diphtheria admitted and treated at the Sanatorium during 1903. One hundred and seventy-five patients received treatment with Diphtheria Antitoxin. Twenty-eight cases proved fatal, giving a percentage mortality of 15·3.

It is shewn by statistics of large numbers of cases that the mortality is progressively less the earlier in the course of the disease that the Antitoxin treatment is commenced. Cases are frequently removed to the Sanatorium at a very advanced stage. It may be pointed out that of the twenty-eight deaths that occurred nine patients died either on the same day or the day following admission. It would be greatly to the advantage of the patients if removal were effected at an earlier stage.

About the middle of the year the cases assumed a virulent type, many of them shewing a hæmorrhagic tendency.

Fifteen of the sixteen persons in whom the Larynx was involved in the Diphtheritic process recovered. The operation of Tracheotomy became necessary in nine cases, all ultimately recovering with the exception of one, this being a child in whom the faucial passages were also very severely affected, and who, at the time of coming under treatment, shewed grave constitutional signs of Diphtheritic toxæmia, and died within a few hours of admission.

The beneficial effect following the use of Diphtheria antitoxin is evident in the Laryngeal cases, both in the comparatively small number requiring tracheotomy and in the large percentage of successful tracheotomy cases (88·8%).

DIPHTHERIA.

No. 16.—TABLE shewing Particulars of Cases admitted to the Sanatorium.

Age Periods.	Number of Cases.	TYPE OF CASE.		Number treated with Anti-toxin.	ANTI-TOXIN SEQUELÆ.			DIPHTHERIA: Complications and Sequelæ.			TRACHEOTOMY.		Total Number of Deaths.	Percentage Mortality.
		Faucial.	Laryngeal.		Rash.	Joint Pains.	Pyrexia.	Albuminuria.	Paralysis.	Other Complications.	Number of Cases.	Number of Deaths.		
0—1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1—2	6	4	1	6	1	...	1	3	...	...	...	...	...	...
2—3	10	10	2	10	3	1	3	10	...	...	2	...	1	10%
3—4	17	16	5	17	5	1	3	16	6	2	4	...	2	11.7%
4—5	23	21	5	22	4	1	2	18	7	7	2	1	7	30.4%
5—10	82	80	3	79	21	5	13	60	13	17	1	...	17	20.7%
10—15	21	19	...	20	4	3	3	8	1	...	...	...	...	...
15—20	4	4	...	4	1	1	1	1	...	...	...	...	...	...
20—25	6	6	...	5	4	4	4	5	1	...	...	...	...	...
over 25	14	14	...	12	3	3	1	9	...	...	...	...	1	7.1%
Totals	183	174	16	175	46	19	31	130	28	26	9	1	28	15.3%

Small Pox.

Ninety-eight cases of Small Pox were admitted to Hospital. In the large majority of cases the disease assumed a mild type, and six deaths occurred, giving a case-mortality of 6.12%.

The appended tables A. to D. give particulars as to vaccination.

RE-VACCINATION.

No person who had been recently successfully re-vaccinated was attacked. Three persons stated to have been successfully re-vaccinated at some time were admitted to Hospital. The particulars of these cases are as follows :—

- (a) Female, aged 42, admitted 2nd April, 1903. Three marks primary vaccination, approximate area $\frac{5}{16}$ square inch, vaccinated in infancy. Stated to have been twice successfully re-vaccinated 32 years previously and 3 years 4 months previously. There were small faint scars visible at the alleged site of re-vaccination. On enquiry, the practitioner who performed the operation on the last occasion stated that two insertions were successful, “no doubt would be papules.” Her attack was of a very modified, discrete type. The spots were very few in number. She was discharged from Hospital 23rd April, 1903.
- (b) Male, aged 48, admitted on 23rd April, 1903. Two marks primary vaccination. Approximate area, $\frac{7}{8}$ square inch, stated to have been performed at 7 years of age. Stated to have been successfully re-vaccinated on two occasions, 14 years previously and 6 years previously. Two small cicatrices present upon the alleged site of re-vaccination. His history is considered to be unreliable. He suffered from a confluent attack and was discharged 20th July, 1903.
- (c) Male, aged 44, admitted 24th May, 1903. Two marks primary vaccination. Approximate area $\frac{3}{8}$ square inch, vaccinated in infancy. Stated to have been

successfully re-vaccinated about 36 years previously. Cicatrices present which might be ascribed to re-vaccination. His attack was of a discrete, modified type, the rash being very sparse. He was discharged June 6th, 1903.

Ten persons were admitted suffering from Small Pox who had been successfully re-vaccinated after having been infected with Small Pox. The following table shows the date of re-vaccination and the stated date of appearance of eruption in each case.

Age.		Date of successful Re-vaccination.		Date of appearance of Small-Pox eruption.
66	..	9th March, 1903	..	17th March, 1903
35	..	13th March, 1903	..	19th March, 1903.
24	..	21st March, 1903	..	30th March, 1903.
21	..	21st March, 1903	..	29th March, 1903.
34	..	22nd April, 1903	..	1st May, 1903.
13	..	8th May, 1903	..	16th May, 1903.
23	..	18th May, 1903	..	21st May, 1903.
41	..	12th May, 1903	..	21st May, 1903.
16	..	18th May, 1903	..	26th May, 1903.
13	..	21st July, 1903	..	1st August, 1903

SMALL POX.

TABLE A.—STATEMENT SHOWING CONDITION AS TO VACCINATION OF THE PATIENTS ADMITTED INTO HOSPITAL.

Age Periods	A—Cases presenting a vaccination cicatrix or cicatrices.			B—Cases presenting no vaccination cicatrix or cicatrices.							C--Cases presenting no vaccination cicatrix or cicatrices, but showing marks of vaccination performed subsequently to the case having been infected with smallpox.				Total Cases	Total Deaths	Total fatality per cent.
	Cases	Deaths	Fatality per cent. of cases	Stated to have been vaccinated	Not stated to have been vaccinated	Stated to be unvaccinated	Vaccination stated to have been performed but never successfully	Deaths	Fatality per cent. of cases	Cases	Deaths	Fatality per cent. of cases					
Under 1 Yr	...	...	...	...	...	2	...	...	...	3	2	66.6 %	5	2	40 %		
1 to 5	...	...	...	...	...	3	...	...	...	...	...	...	3	...	...		
5 to 10.....	3	...	...	...	...	5	...	...	...	...	...	...	8	...	...		
10 to 15 ...	5	...	...	...	1	3	...	...	...	...	...	...	9	...	...		
15 to 25 ...	19	...	...	...	...	3	1	...	...	...	...	...	23	...	...		
25 to 60 ...	47	4	8.5 %	...	...	1	...	...	...	...	...	...	48	4	8.3 %		
60 and upwards.	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...		
Total ...	76	4	5.2 %	...	1	17	1	...	...	3	2	66.6 %	98	6	6.1 %		

Totals for columns B and C—22 cases; 2 deaths; fatality, 9 per cent.

SMALL POX.

TABLE B.—ANALYSIS OF MARKS AND QUALITY OF VACCINATION OF THE VACCINATED PERSONS ATTACKED, IN AGE PERIODS.

Age Periods.	1 MARK.				2 MARKS.				3 MARKS.				4 MARKS AND OVER.				Totals.
	Total area under $\frac{1}{2}$ sq in	$\frac{1}{2}$ sq.in. to 1 sq.in.	1 sq.in. to 2 sq.in.	2 sq.in. and over.	Total area under $\frac{1}{2}$ sq.in.	$\frac{1}{2}$ sq.in. to 1 sq.in.	1 sq.in. to 2 sq.in.	2 sq.in. and over.	Total area under $\frac{1}{2}$ sq.in.	$\frac{1}{2}$ sq.in. to 1 sq.in.	1 sq.in. to 2 sq.in.	2 sq.in. and over.	Total area under $\frac{1}{2}$ sq.in.	$\frac{1}{2}$ sq.in. to 1 sq.in.	1 sq.in. to 2 sq.in.	2 sq.in. and over.	
Under 1 year	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1 to 5.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5 to 10	...	...	...	...	...	...	...	...	1	...	...	...	...	1	1	...	3
10 to 15.....	...	...	...	...	...	...	...	...	...	2	...	...	...	...	3	...	5
15 to 25.....	1	...	...	1	...	1	1	...	...	5	4	...	...	...	...	2	19
25 to 60.....	6	1	...	...	10	11	4	...	2	4	2	1	...	2	4	...	47
60 & upwards	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2
TOTALS...	8	1	0	1	10	12	5	0	3	11	6	1	1	7	8	2	76

TABLE C.—ANALYSIS OF MARKS AND QUALITY OF VACCINATION OF THE PRIMARILY VACCINATED CASES THAT DIED, IN AGE PERIODS.

[illegible]

SMALL POX.

TABLE D.—SEVERITY OF ATTACK, WITH CONDITION AS TO VACCINATION AND AREA OF VACCINATION CICATRICES.

Severity of Case.	Cases presenting no vaccination Cicatrix or Cicatrices.			Total area under $\frac{1}{2}$ sq. inch.			$\frac{1}{2}$ sq. inch to 1 sq. inch.			1 sq. inch to 2 sq. inch.			2 sq. inch and over.			Total Number Attacked	Total Deaths.	Fatality per cent.
	Total Cases.	Recovered.	Died.	Total Cases.	Recovered.	Died.	Total Cases.	Recovered.	Died.	Total Cases.	Recovered.	Died.	Total Cases.	Recovered.	Died.			
Discrete	16	15	1	16	15	1	28	28	0	17	17	0	4	4	0	81	2	2.4%
Semi Confluent	1	1	0	1	1	0	1	1	0	...	...	...	...	...	...	3	0	0
Confluent	5	4	1	5	3	2	2	2	0	2	1	1	...	...	...	14	4	28.5%
Hæmorrhagic...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS ...	22	20	2	22	19	3	31	31	0	19	18	1	4	4	0	98	6	6.1%

No. 18.—The following TABLE gives the NUMBER OF ADMISSIONS INTO THE HOSPITALS
of the Urban Sanitary Authority from 1884 to 1903.

DISEASES.	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	Totals.
Plague	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	6	...	...	6
Cholera	...	...	...	...	...	...	...	...	2	12	...	...	...	...	...	...	...	...	...	...	14
Small Pox.....	144	65	...	9	150	6	22	2	10	178	34	4	4	7	4	800	104	3	10	98	1654
Measles.....	...	...	3	4	...	31	4	13	12	24	21	...	2	7	5	5	1	5	5	...	142
Scarlatina.....	14	192	251	351	323	198	114	77	192	286	291	494	400	481	221	285	336	295	382	219	5402
Diphtheria	1	...	5	4	5	4	11	11	13	9	10	12	2	...	...	2	10	57	202	183	541
Whooping Cough	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Typhus Fever ...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1
Typhoid Fever...	...	4	4	9	8	55	33	55	36	210	86	98	97	67	86	80	60	94	85	40	1207
Chol. Diarrhoea ..	...	...	...	...	...	...	...	...	...	7	...	...	...	...	1	...	...	...	...	...	8
Diarrhoea	...	...	2	...	...	...	...	...	...	5	...	1	...	...	...	...	...	...	...	...	15
Croup	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	2
Continued Fever	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	2
Erysipelas	...	...	...	...	...	...	8	1	1	1	1	...	...	...	...	...	...	...	...	...	12
Dysentery.....	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Beri Beri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2
Isolation	...	...	...	...	...	17	12	7	9	6	1	1	2	...	4	7	7	26	64	74	237
Totals	160	261	265	377	487	314	204	168	284	738	444	610	507	562	321	1179	518	486	748	616	9249

Phthisis.

During the year 261 deaths from Phthisis were recorded, as against 253 in 1902, and 275 in 1901, being equal to 1·0 per 1000 per annum, as against 1·0 in 1902 and 1·1 in 1901.

In 1902 I addressed communications to the Medical Officers of Health of the large cities, boroughs, county boroughs, and county councils of England and Wales and the large cities of the United Kingdom, as to the action taken with regard to the prevention and treatment of consumption, and the provision of sanatoria.

This question has been further under the consideration of your Committee.

Cancer.

Cancer contributed 190 deaths, as against 180 in 1902, and 164 in 1901, being equal to a rate of 0·76 per 1000 per annum, the disease being most fatal between the ages of 55 and 75.

Investigation into the nature of Cancer with a view to its early diagnosis, is being conducted under the auspices of the Cancer Research Fund, and the conclusions arrived at appear to show that cancer can acquire and re-acquire the power of self-propagation.

The Registrar General's returns have shown an apparent increase in the cancer death rate, these figures having risen from 1 in 5646 of the population in 1840, to 1 in 1360 in 1896.

Cancer has been discovered to prevail in all classes of the vertebrate kingdom and to present constant characteristic features in all animals, but, whilst showing these essential features, cancer is only transmittable from one animal to another of the same species.

STATEMENT SHOWING THE DEATHS FROM INFLUENZA, &c.

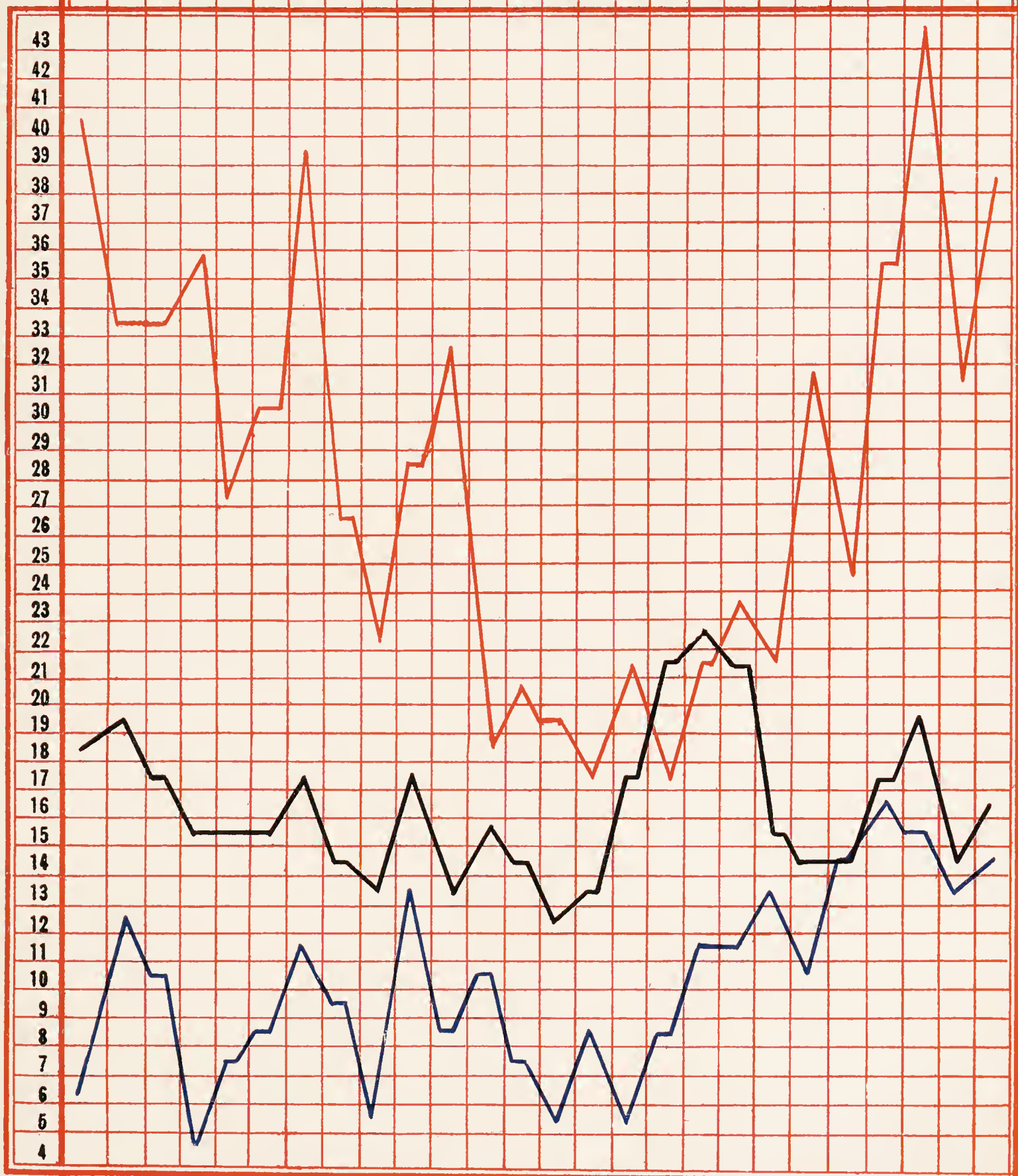
DISTRICT.	INFLUENZA.										Influenza accompanied by diseases of the Respiratory Organs (Bronchitis, Pneumonia).										Diseases of the R-spiratory Organs (Bronchitis, Pneumonia, Phthisis).										Total Deaths.		
	0 to 1	1 to 5	5 to 15	15 to 25	25 to 55	55 to 75	75 and upwards.	Males.	Females	Total.	0 to 1	1 to 5	5 to 15	15 to 25	25 to 55	55 to 75	75 and upwards.	Males.	Females	Total.	Males.	Females	Total.										
Drypool	...	...	1	...	2	1	1	2	3	5	...	1	...	...	...	...	1	...	1	51	58	109	54	62	116								
Sutton	...	...	...	...	...	3	...	1	2	3	...	...	...	...	1	...	7	1	27	26	53	29	29	58									
East Sculcoates	...	...	...	...	1	2	...	3	...	3	...	...	...	...	5	10	18	8	45	38	83	49	39	88									
West Sculcoates	...	...	...	...	1	1	3	2	3	5	...	...	1	...	1	4	32	18	76	72	148	82	77	159									
Humber	...	...	...	...	...	...	1	...	1	1	...	...	...	...	...	35	35	9	90	69	159	91	71	162									
Myton	...	...	...	...	...	1	...	1	...	1	...	...	...	...	3	48	14	120	115	235	122	119	241										
Newington	...	...	...	...	...	...	...	...	...	...	...	1	1	...	30	20	6	70	65	135	71	66	137										
Newland	...	...	...	...	1	...	...	...	...	1	...	...	...	4	13	7	5	18	27	45	18	28	46										
Marfleet	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...										
Total.....	...	...	1	...	5	8	5	9	10	21	1	2	1	1	245	189	62	497	470	967	516	491	1007										

CHART shewing the number of DEATHS from DISEASES of the RESPIRATORY ORGANS, and CONSUMPTION, together with the DEATH RATE from all causes, and the TEMPERATURE and RAINFALL in fortnights, 1903.

Death Rate—
 Respiratory Organs—
 Consumption—

ER-
 E
 { MAXIMUM
 MEAN
 MINIMUM
 infall in Inches

JAN.		FEB.		MAR.		APR.		MAY		JUNE		JULY		AUG.		SEP.		OCT.		NOV.		DEC.		JA.	
52-0	55-0	60-0	56-0	56-0	65-0	59-0	58-0	60-0	71-0	78-0	65-0	81-0	86-0	73-0	73-0	68-0	73-0	66-0	69-0	59-0	59-0	56-0	55-0	48-0	49-0
41-0	45-9	50-0	48-9	47-0	54-7	53-8	47-0	52-0	57-0	62-5	56-9	70-0	67-7	66-9	67-7	63-0	63-7	61-0	61-5	54-0	53-5	49-0	42-7	43-5	40-5
33-0	36-0	41-0	42-0	40-0	47-0	46-0	39-0	46-0	47-0	57-0	51-0	62-0	60-0	59-0	61-0	57-0	57-0	56-0	53-0	51-0	48-0	42-0	30-0	31-0	36-0
1-11	0-28	0-10	0-87	0-91	1-50	0-69	0-40	3-76	0-27	0-06	1-64	0-13	1-56	1-16	0-47	26-3	2-35	0-34	3-19	2-11	1-32	0-74	0-67	0-44	0-26



Accidents, &c.

One hundred and thirteen lives were lost by accident or negligence, as against 145 in 1902.

The number of deaths by drowning was 28, as against 28 in 1902, and 20 in 1901.

Inquests.

The number of deaths which have formed the subject of a Coroner's inquiry was 297, as against 323 in 1902, and 321 in 1901. The Coroner also investigated the circumstances attending the deaths of 61 persons (36 males and 25 females), in which he did not consider it necessary to hold inquests.

The following table shews the number of Inquests held in Kingston upon Hull, from the 1st January to 31st December, 1903, and the months in which they have occurred :—

	Males.	Females.	Total.
January	24	8	32
February	19	4	23
March	18	8	26
April	13	9	22
May	9	8	17
June	20	8	28
July	16	3	19
August	7	9	16
September	15	14	29
October	14	9	23
November... ..	12	14	26
December	23	13	36
	190	107	297

Sanitation.

During the year, ten thousand six hundred and thirty-one houses have been examined in the house-to-house inspection. Four thousand eight hundred and thirteen visits and inspections have been made to ascertain if works ordered by notices were in progress, and to examine houses respecting which complaints had been received.

Three thousand six hundred and eighty-three visits have been made to Common Lodging Houses, including three thousand five hundred and thirty-five day and one hundred and forty-eight night visits. One thousand six hundred and sixty-four visits have been made to Seamen's Lodging Houses, including one thousand six hundred and seven day, and fifty-seven night visits. Four thousand one hundred and fifty-five cases of infectious disease were investigated, six hundred and sixteen patients removed to the Hospitals, and three thousand three hundred and seventy-nine houses disinfected.

Housing of the Working Classes Acts.

PART II.

I have again to record that the above Act is being gradually enforced throughout the City. The specially appointed Committee have met frequently, and devoted a considerable amount of time in dealing with the insanitary properties reported upon. The special Inspectors have continued their systematic inspections with this class of property, resulting in many old and insanitary dwelling-houses being structurally remedied or demolished.

Eighty dwelling-houses have been reported upon as unfit for human habitation, and Statutory Notices served upon the Owners, whilst legal proceedings have been instituted for the compulsory closure of four dwelling-houses. Thirty-one structural alterations or the conversions of properties into warehouses, &c., have been carried out, and upwards of twenty-nine dwelling-houses demolished, and the sites on which they existed cleared.

Structural alterations in old property have not been encouraged. The property again rapidly falls into decay, and although temporarily rendered fit for habitation is not in accordance with modern sanitation, and sooner or later the owner is required to again repair or reconstruct property which he had believed to be in a sanitary condition.

I believe little inconvenience or overcrowding has resulted through carrying into effect the provisions of this Act in this City, the displaced population finding efficient accommodation in the immediate vicinity.

With the development of the Tramway service, there has been a gradual tendency on the part of those residing in our crowded centres to migrate to the suburbs, and it has not only proved beneficial to their general health, but the intermixture has improved their status and tended to elevate their social position.

The gradual removal of these unhealthy dwellings, giving more air-space, light and ventilation, must tend to the general well being of the community, the elimination from our midst of such diseases as Consumption, and the removal of many of the surroundings favourable to the spread of Infectious Diseases.

During the year upwards of 200 houses have been cleansed and limewashed, and this work is now receiving especial attention on the part of your Committee, four Inspectors spending a portion of their time in a house-to-house inspection in the more congested parts of the city.

STATEMENT SHEWING THE NUMBER OF PROSECUTIONS UNDER THE HOUSING OF
THE WORKING CLASSES ACT, DURING THE YEAR 1903

Date, 1903.	No. of Houses	Offence.	Result.
		HOUSES UNFIT FOR HUMAN HABITATION.	
Oct. 1st.....	2	Nos. 2 and 3, Joseph's Place, Myton Street	{ Closing Orders without Costs. Defendant ordered to pay 11s. 4d. to each occupying Tenant for removal expenses.
Oct. 1st.....	2	Nos. 1 and 2, Barker's Buildings, Myton Street	{ Closing Orders without Costs. Defendant ordered to pay 11s. 4d. to each occupying Tenant for removal expenses.

STATEMENT SHEWING POSITION AND DATE OF DEMOLITION OF DWELLING-HOUSES.
Under the Housing of the Working Classes Act, 1890.

Date, 1903.	No. of houses demolished.	Situation.
January 21st	4	Nos. 1, 2, 3 and 4, Lawson's Court, Wincolmllee.
March 17th	7	Nos. 1, 2, 3, 4, 5, 6, 7, Charles' Square, Mason Street.
"	3	Nos. 15, 16 and 17, Kingston Square, Moxon Street.
November 24th	1	No. 26, Collier Street.
"	4	Nos. 1, 2, 3 and 8, Joseph's Place, Collier Street.
"	2	Two houses rear of Nos. 6 and 12, Myton Street.
"	1	No. 4, Princes' Court, Princess Street.
"	2	Nos. 4 and 5, Drant's Court, Myton Street.
"	1	No. 2, Drant's Place, Myton Street.
"	4	Nos. 1, 2, 3 and 4, Dickon's Square, Myton Street.
	—	
	29	Total houses.

Public Mortuary.

Table shewing the number of bodies admitted, inquests and post-mortems held, and funerals that have taken place from the Mortuary during the year 1903:—

Month.	Bodies Admitted.			No. of Post-Mortems.			No. of Inquests.	No. of Funerals.	No. of Drowning cases.		
	Males.	Females.	Total.	Males.	Females.	Total.			Males.	Females.	Total.
January	19	4	23	14	4	18	22	7	3	...	3
February	10	4	14	7	4	11	13	3	2	...	2
March	16	4	20	8	4	12	18	4	3	...	3
April	7	6	13	6	6	12	13	4	...	...	0
May	4	5	9	1	4	5	7	2	3	...	3
June	6	5	11	3	5	8	11	5	4	1	5
July	11	3	14	8	3	11	12	7	3	...	3
August	4	9	13	2	8	10	12	2	1	...	1
September	8	7	15	8	7	15	15	1	2	...	2
October	10	7	17	6	6	12	17	3	3	1	4
November	5	11	16	6	10	16	15	4	...	...	0
December	15	11	26	14	11	25	25	8	2	...	2
Totals.....	115	76	191	83	72	155	180	50	26	2	28

TABLE SHEWING THE TOTAL NUMBER OF DEATHS FROM DROWNING DURING THE LAST TEN YEARS.

Year...	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	Total
Deaths	37 ...	42 ...	46 ...	34 ...	37 ...	26 ...	41 ...	20 ...	28 ...	28 ...	367

New Dwelling-Houses.

The number of plans for dwelling-houses approved by the City Corporation during the year 1903 was 1659, as compared with 1563 in 1902 and 1670 in 1901.

Public Baths.

During the year, one hundred and forty-two thousand and nine hundred and sixteen persons have availed themselves of the use of the Public Baths, particulars of which are given below.

TRIPPETT			MADELEY STREET.			* EAST HULL.		
1887	...	42486	1887	...	42724		—	
1888	...	38494	1888	...	41213		—	
1889	...	55320	1889	...	51147		—	
1890	...	59465	1890	...	54195		—	
1891	...	61667	1891	...	48385		—	
1892	...	57986	1892	...	53275		—	
1893	...	57482	1893	...	58039		—	
1894	...	54831	1894	...	61224		—	
1895	...	58767	1895	...	67307		—	
1896	...	54284	1896	...	59230		—	
1897	...	55861	1897	...	59627		—	
1898	...	56653	1898	...	61732		—	
1899	...	42659	1899	...	58524	1899	...	59431
1900	...	38417	1900	...	57059	1900	...	58041
1901	...	24910	1901	...	57790	1901	...	60549
1902	...	18806	1902	...	46748	1902	...	53540
1903	...	19795	1903	...	56891	1903	...	66230

* NOTE.—Opened in 1899.

Flushing and Distribution of Disinfectants.

Forty gallons of Disinfectant Fluid have been given to persons applying at the offices of the Sanitary Department; also one hundred and twenty gallons have been distributed by the Sanitary Inspectors at the houses in which infectious diseases have occurred.

Fifty-seven tons of disinfecting powder have been distributed during the process of the collection of excreta and house refuse, which was continued from time to time during the whole of the year.

Common Lodging Houses.

A systematic inspection of these houses has been carried out by your Inspector both by day and night, and special reports have from time to time been furnished to your Committee.

Food Inspection.

During the year nine hundred and nineteen tons of Meat, Fruit, Fish, Vegetables, &c., have been condemned and destroyed as unfit for human food.

Cowsheds, Dairies and Milkshops.

Under the Cowsheds, Dairies and Milkshops Order of 1879 and 1885 there were registered up to the end of 1902, 184 Cowsheds and Dairies and 768 Milkshops.

Two applications were made during the year for the registration of Cowsheds and Dairies, both of which were granted.

The number of inspections made of Cowsheds and Dairies was 557 and Milkshops 2061.

Slaughter Houses, &c.

The number of inspections made of Slaughter Houses was 1060, Retail Butchers' Shops 1046, Curing Houses 780, and Fish Shops 1229

MEAT INSPECTION.

Mr. Jas. McPhail, M.R.C.V.S., &c., was during the year appointed Chief Meat Inspector, and commenced his duties on the 12th October. Mr. A. E. Greaves was appointed Assistant Meat Inspector and entered upon his duties on 14th December.

The following tabulated statements shew the number of Carcases, &c., seized during the year :—

	Beast	Sheep	Lambs	Calves	Pigs	Goats	Total
1st January to 10th October, 1903	64 $\frac{1}{2}$	137 $\frac{3}{4}$	20	78	27	2	329 $\frac{1}{4}$
12th October to 31st December, 1903	29 $\frac{1}{4}$	46	6 $\frac{3}{4}$	5	11 $\frac{1}{2}$	1	99 $\frac{1}{2}$
Total for Year ...	93 $\frac{3}{4}$	183 $\frac{3}{4}$	26 $\frac{3}{4}$	83	38 $\frac{1}{2}$	3	428 $\frac{3}{4}$

Total weight of above Carcases in lbs. :—

	Beast	Sheep	Lambs	Calves	Pigs	Goats	Total
1st January to 10th October ...	39250	9703	920	5979	3280	79	59211
12th October to 31st December	17550	3220	280	350	1380	43	22823
Total for Year	56800	12923	1200	6329	4660	122	82034

The total weight in lbs. of pieces of Beef, Mutton, Pork, Veal, etc., which were unmarketable owing to localized diseased conditions or decomposition was 12,741 lbs.

The following is the total of Carcases, Offal, &c., seized :—

Total Weight of Carcases	..	82,034 lbs.	
„ „ Pieces	..	12,741	„
„ „ Offal, &c,	..	18,499	„
		113,274	„

Part of this weight, viz :—107,116 lbs. was inspected by request, the seizure and destruction of the same being agreed to by the owner or his Agent.

The remainder 6158 lbs. being seized in illegal possession.

Tuberculosis.—The Inspection of Carcases affected with this disease has been carried out upon the basis of the recommendation of the Royal Commission on Tuberculosis.

Number of Seizures of animals affected with Tuberculosis :

Beasts	..	..	23
Cows		..	6
Heifers		..	3½
Bullocks		..	2
Pigs		..	3
			37½

Bacteriology.—A resolution being passed by the Sanitary Committee that “Whenever a dressed Carcase is brought into Hull from the Country, specimens of the tissue shall be submitted to microscopical examination.” This order has been carefully carried out, and there is no doubt that, though occupying considerable time, the resolution was eminently desirable, as several cases were detected micro-

scopically, which presented almost a normal appearance macroscopically.

Total number of examinations made	..	..	277
Negative results	„	„	271
Positive Results	„	„	6
<i>e.g.</i> , Anthrax	..	..	2
Septicaemia	..	..	1
Septic Metritis	..	..	1
Black Quarter	..	..	1
Malignant Œdema	..	..	1

TABLE I.—CAUSE OF SEIZURE OF CARCASSES.

The Table given below relates to seizures from 1st January to 10th October.

No. of Beasts	Cause of Seizure	No. of Sheep	Cause of Seizure	No. of Lambs	Cause of Seizure	No. of Calves	Cause of Seizure	No. of Pigs	Cause of Seizure	No. of Goats	Cause of Seizure
23	Tuberculosis	63	Parturition	12	Emaciation	49½	Immature	9	Dropsy	2	Emaciated
15	Emaciation	47	Emaciation	2	Choked	12	Emaciation	4	Emaciation		
7½	Decomposition	7¼	Decomposition	2	Rheumatoid	8	Dropsy	2	Swine Fever		
6	Dropsy	6	Dropsy		Arthritis	5	Jaundice	2	Found dead		
3	Inflammation	2½	Injury	1	Pneumonia	3	Decomposition	1	Milk Fever		
2	Medicine Taint	2	Jaundice	1	Dropsy	½	Bruised	1	Suffocation		
2	Milk Fever	2	Pleurisy	1	Drowned			1	Jaundice		
2	Jaundice	1	Nephritis	1	Found dead			1	Kidney Disease		
2	Bruised	1	Exhaustion					1	Liver Disease		
1	Puerperal Fever	1	Drowned					5	Inflammation		
1	Anthrax	4	Found dead								
		1	Rheumatoid								
			Arthritis								
64½	Beasts	137¾	Sheep	20	Lambs	78	Calves	27	Pigs	2	Goats

TABLE II.—CAUSE OF SEIZURE OF CARCASSES.

The Table given below relates to seizures from 12th October to 31st December, inclusive.

No. of Beasts.	Description.	Cause of Seizure.	No. of Sheep.	Cause of Seizure.	No. of Lambs.	Cause of Seizure.	No. of Calves.	Cause of Seizure.	No. of Pigs.	Cause of Seizure.	No. of Goats.	Cause of Seizure.
6	Cows	Tuberculosis	16	Decomposition	2	Emaciation	2	Immature	3	Swine Fever	1	Decomposition
3½	Heifers	do.	9	Dropsy	2	Decomposition	2	Decomposition	3	Emaciation		
2	Bullocks	do.	6	Emaciation	1	Pneumonia	2	Injury	2	Pneumonia		
2	Cows	Medicine Taint	3	Injury	1	Dropsy	1		3	Tuberculosis		
2	Bullocks	Malnutrition	2	{ Rheumatoid	3	Pleurisy			½	Peritoneal		
2½	Cows	Parturition		{ Arthritis	4	Pleurisy				Abscess		
1	Cow	Pneumonia	2	{ Dropsy, and								
1	Heifer	Choked (Turnip)	2	{ Liver Disease								
1	Heifer	Choked—		{ Nephritis								
	Bulloc	(Strangulation)	2	Drowned								
1		Texas Fever	1	{ Heart Disease								
1	Cow	Post Pharyngeal Abscess	1	{ and Dropsy								
1	Bulloc	& Emaciation	1	Pleurisy								
		Anthrax		{ Dropsy,								
1	Cow	Enteritis and Peritonitis.	1	{ Pleurisy,								
				{ Heart and								
	Cow	Traumatic	1	{ Liver Disease								
1		Pleurisy & Septic Metritis		{ Dropsy and								
		Septicaemia & Acute Peritonitis.	1	{ Pleurisy								
1	Cow	Decomposition		{ Heart and								
1	Cow	Black Quarter		{ Liver								
½	Heifer	Pleurisy										
¼	Bullock	Atrophy										
¼	Heifer	Bruised										
29¼	Beasts		46	Sheep	6½	Lambs	5	Calves	11½	Pigs	1	Goat.

MEAT INSPECTION.

TABLE No. III.—Shewing the causes of seizure and the results of the legal proceedings, &c.

Date.	Description.	Cause of Seizure.	PROCEEDINGS.			RESULT.
			Warned by Visiting Inspector.	Reported to Sanitary Committee.	Referred to Town Clerk.	
Jan. 2	Pig Carcase	Dropsy	—	1	1	£5 costs & Solicitor's fees.
Sep. 3	Heifer Do.	Tuberculosis	—	—	—	Destruction order obt.
„ 10	Heifer Do.	Do.	—	—	—	Do.
„ 23	Bullock Do.	Do.	—	—	—	Do.
Oct. 1	Cow Do.	Do.	—	—	—	Do.
„ 3	2 Lamb Do.	Rheumatoid				
		Arthritis...	1	—	—	—
„ 17	185 lbs. of Beef... }	Decomposition (ex-	—	1	1	Fined £1 and costs.
„ „		posed for sale)... Do. (Deposited)	—	1	1	Judgment respited on payment of costs.
„ 29	Cow Carcase	Emaciation	—	1	1	No action taken.
„ 30	Bullock Do.	Anthrax	—	1	1	No action taken.
Nov. 3	Live Sheep	Emaciated, etc. ...	—	1	1	£10 including costs.
„ 9	3 Pig Carcases	Swine Fever	—	1	1	No action taken.
„ 11	3 Rabbits	Decomposition.....	—	1	1	Letter of Caution.
„ 14	4 Slices of Ham ..	Bone Taint	1	—	—	—
„ 24	Pork & Liver	Decomposition	1	—	—	Letter of Caution.
„ 30	Sheep Carcase	Do.	—	1	1	No action taken.
„ „	Live Cow	Septic Metritis and Tranmatic Pleurisy	—	1	1	No action taken.
„ „	4 Live Sheep.....	Liver disease and Dropsy Emacia- tion	—	1	1	Case dismissed.
Dec. 11	Pig's Pluck	Measles	1	—	—	—
„ 12	Cow Carcase	Septicaemia	—	1	1	Fined £15 and costs.
Nov. 1	Forequarter Mutton	Decomposition	1	—	—	—
Dec. 17	Pig's Pluck	Pneumonia	1	—	—	—
„ 22	Beast Lungs	Localized Tuber- culosis	1	—	—	—
„ 26	Pork Pie	Decomposition ...	1	—	—	Destruction order obt.
„ 30	4 Sets of Pig's Lungs	Pneumonia	1	—	—	—
„ 31	Pig Carcase	Phthisis Pulmo- nalis	1	—	—	—
„ 31	7 lbs. Pork.....	Fractured Thigh ...	1	—	—	—

Fruit and Fish Inspection.

Statement shewing Fruit, Fish, &c., seized and condemned by the Inspectors, and destroyed as unfit for human food during the year 1903.

Kind of Food Destroyed.	Quantity in lbs.
Fruit, &c.....	902278
Vegetables	358029
Fish	651970
Shell Fish	24596
Rabbits, Game, Poultry, &c.	7704
Total in lbs.....	1944577

Epizootic Disease.

There have been 42 outbreaks of Swine Fever, as against 8 in 1902. Two hundred and ninety-one animals have been affected, some of which died from the disease, and the remainder were slaughtered. Two hundred and twenty-nine animals which had been in contact were not affected.

The carcasses of the affected animals were condemned, and removed to the Destructor for cremation.

Anthrax.

There has been one outbreak of Anthrax, viz. a cow which died from this disease. The carcass was removed to the Destructor for cremation. One cow and two horses which had been in contact were not affected.

East District Destructor.

The following table shews the number of loads destroyed during the undermentioned years :—

Year.	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903
No. of Loads }	4409	4493	4922	6129	9382	9251	7997	10011	10734	13587	15706	17794	20687	22797	11743	10457

West District Destructor.

The following Table shews the refuse dealt with at this Destructor.

	LOADS.
Dry Dust	14,396
Nightsoil	367
Meat	36
Fruit and Vegetables ...	118
From Private Firms ...	357
Total	15,274

1902... .. 13,848 loads

In addition, 333 carcasses and 7326 mattresses were destroyed.

SANITARY LEGISLATION.

The following are the Principal Acts dealt with during the year, which either wholly or partly relate to Local Government or Sanitary Administration :—

Housing of Working Classes Act.

Employment of Children Act.

Housing of the Working Classes Act.

This Act amends, in several very important respects, the law relating to the housing of the working classes, and facilitates very considerably the adoption and enforcement of the Housing Acts by local authorities. Formerly, where a council desired to obtain a closing order in regard to a dwelling-house in a state so dangerous or injurious to health as to be unfit for human habitation, it was necessary for them, under the procedure prescribed by Section 32 of the Act of 1890, before they could obtain the order, to give notice to the owner or occupier of the house to abate the nuisance. The procedure is now simplified as regards any dwelling-house which, in the opinion of the Council, is either (a) not reasonably capable of being made fit for human habitation, or (b) is in such a state that its occupation should be immediately discontinued. In these cases the necessity for serving such a notice as above mentioned before obtaining a closing order is dispensed with by Section 8 (1) of the new Act, which further enables a justice to issue a summons for a closing order, and a closing order to be granted, though such a notice has not been served.

Section 34 of the Act of 1890 empowers the Council to demolish a house in respect of which an order for demolition has been made if the owner himself fails to comply with the order, and requires them to sell the materials, and after deducting the expenses of the demolition to pay the balance of money (if any) to the owner. There is, however, no provision to meet the case when the sale of the materials does not cover the cost of demolition. This is remedied by Section 9 of the new Act, which enacts that, where the amount realised by the

sale of materials under Section 34 of the principal Act is not sufficient to cover the expenses incident to the taking down and removal of a building, the Council may recover the deficiency from the owner of the building as a Civil debt in manner provided by the Summary Jurisdiction Acts, or under the provisions of the Public Health Acts relating to private improvement expenses.

A more speedy and efficacious way of obtaining possession of a house in respect of which a closing order has been made than that provided by Section 32 (3) of the principal Act, is afforded by Section 10 of the new Act. Under its provisions the local authority may have recourse, whatever may be the value or rent of the house, either to the procedure prescribed by Sections 138 to 145 of the County Courts Act, 1888, or to that under the Small Tenements Recovery Act, 1838. The expenses incurred by the local authority in taking these proceedings can be recovered from the owner as a civil debt under the Summary Jurisdiction Acts. The power for enforcing the penalty provided for in Section 32 (3) of the principal Act will still remain.

The effect of Section 11 (1) of the new Act is to empower the Council, if they provide lodging houses for the working classes under part 3 of the principal Act, or if they supply housing accommodation under part 2 of the principal Act, or under any scheme made in pursuance of any of the Housing Acts, or provide and maintain, in connection with the Lodging house or dwelling accommodation, any building adapted for use as a shop, any recreation grounds, or other buildings or land which in the opinion of the Board, will serve a beneficial purpose in connection with the requirements of the persons for whom the lodging houses or dwelling accommodation are provided.

Employment of Children Act.

This is an Act to make better provision for regulating the employment of children. It provides (Section 1) that any local

authority—that is, the Corporation of the City of London, the town councils of boroughs of over ten thousand inhabitants, the district councils of urban districts of twenty thousand inhabitants, and elsewhere the county councils—may make bye-laws :—

1. Prescribing for all children, or for boys and girls separately and with respect to all occupations or to any specified occupation :—

- (a) The age below which employment is illegal ; and
- (b) The hours between which employment is illegal; and
- (c) The number of daily and weekly hours beyond which employment is illegal.

2. Prohibiting absolutely or permitting subject to conditions, the employment of Children in any specified occupation.

Section 2 provides that any local authority may make bye-laws with respect to street trading by persons under the age of sixteen, and may by such bye-laws—

- (a) Prohibit such street trading, except subject to such conditions as to age, sex, or otherwise, as may be specified in the bye-law, or subject to the holding of a licence to trade to be granted by the local authority ;
- (b) Regulate the conditions on which such licences may be granted, suspended, and revoked.
- (c) Determine the days and hours during which, and the places at which, such street trading may be carried on.
- (d) Require such street traders to wear badges.
- (e) Regulate generally the conduct of such street traders ; provided as follows :—

(1) The grant of a licence or the right to trade shall not be made subject to any conditions having reference to the poverty

or general bad character of the person applying for a licence or claiming to trade ;

(2) The local authority, in making bye-laws under this section, shall have special regard to the desirability of preventing the employment of girls under sixteen in streets or public places. Section 3 contains some general restrictions on the employment of children, as to the hours within which such children shall not be employed, prohibiting the employment of children under 11 in street trading, &c.

Section 4 has some general provisions as to bye-laws, as to their submission to the Home Secretary for confirmation, as to their being made applicable to the whole or part of the area of the local authority in each case, &c.

Section 5 prescribes the penalties for offences under the Act.

INFECTIOUS DISEASES (NOTIFICATION) ACT, 1889.
 Adopted 1st February, 1890 (Measles included 10th February, 1893).
 Cases Notified during the Year 1903.

Months. 1903.	Cholera (English)	Small Pox	Measles.	Scarlatina	Diphtheri	Typhus Fever.	Typhoid Fever.	Puerperal Fever.	Continued Fever.	Relapsing Fever.	Group.	Erysipelas.	Totals.
January	...	...	500	48	54	...	10	1	...	...	2	29	644
February	...	2	243	32	65	...	5	1	2	...	...	33	383
March	...	22	297	39	52	...	9	1	1	...	2	17	440
April	...	28	318	37	61	...	8	1	2	...	5	14	474
May	...	26	296	45	35	...	3	1	...	...	1	19	426
June	...	3	150	34	46	...	1	2	1	...	1	28	266
July	...	10	227	32	34	...	3	1	2	...	...	21	330
August	...	7	88	33	15	...	20	1	1	...	...	19	184
September ...	...	...	42	41	28	...	16	3	1	...	1	24	156
October	...	...	55	55	26	...	7	2	...	...	...	15	160
November ...	...	...	31	57	44	...	6	2	...	...	...	29	169
December ...	...	...	67	39	34	...	9	2	2	...	...	28	181
TOTALS ...	...	98	2314	492	494	...	97	18	12	...	12	276	3813

METEOROLOGY.

The two latter charts embodied in the report shew the fortnightly record of the Meteorological conditions throughout the year. The lower portions of the charts give a diagram of the fortnightly Death Rate from all causes, the number of deaths from Diarrhœa and Measles, Diseases of the Respiratory Organs and Consumption, as compared with the various Meteorological conditions.

For the Meteorological portion of the report I am greatly indebted to Mr. H. B. Witty, F.R.Met.Soc., Parks Superintendent.

JANUARY.

The weather was very variable, with fog on several occasions ; it was also exceptionally cloudy throughout, there being only $2\frac{1}{4}$ hours of bright sunshine recorded. Sleet and snow fell on the 8th, 10th, 11th and 13th, with generally low temperature until the 18th. On 19 days rain was measured, but with a low total, viz. 1.78. The winds were mostly S.E. or S.W., and moderate in force, half the period being calm. The highest reading of the maximum thermometer was 55° on the 26th, and the lowest 33° on the 12th, having a mean of 43.8 ; the highest reading of the minimum being 43° on 4 occasions, the lowest was 19° on the 13th, having a mean of 34° . The mean temperature in the solar rays was 53° , and on 18 occasions the grass minimum was at or below 32° . The highest reading of the barometer was 30.662 on the 14th, and the lowest 29.138 on the 7th, the mean for the month being 29.959. The mean temperature of the earth at 1ft. deep was 38° , and at 4ft. deep $43^{\circ} 8'$.

FEBRUARY.

Throughout the month the temperatures were above the average, many agreeable days being experienced. " Yet " while there were many mild days some cold nights existed.

Sleet and rain fell on the 1st and 23rd, but the rainfall was only light, viz., 0.97 for the month, and no appreciable fall occurred until the 21st. The amount of bright sunshine recorded was $41\frac{3}{4}$ hours. With generally light clouds the winds were generally S.W., and fairly moderate, except on the 20th, 21st, 24th and 27th, when rather severe gales were felt. The highest reading of the maximum thermometer was 60° on the 8th, and the lowest 41° on the 2nd, the mean being 49.6 . The highest reading of the minimum thermometer was 50° on the 8th and the lowest 30° on the 2nd, the mean was 37.5 . The mean temperature in the solar rays was $68^{\circ} 8$, and on eleven occasions the grass minimum thermometer was at or below 32.0° with a mean of 32.6 . The highest reading of the barometer was 30.600 on the 16th, and the lowest 29.168 on the 27th, the mean for the period being 30.047. The mean temperature of the earth at 1ft. deep was $41^{\circ} 7'$ and at 4ft. deep $43^{\circ} 7'$.

MARCH.

Some very cloudy mornings which usually cleared up at night-time. Falls of snow on the 2nd and 3rd, with slight fog on four occasions. Some strong winds occurred on the 1st and in the middle of the month, mostly at mid-day. A few bright genial days were experienced and with mostly southerly winds mild temperatures were principally recorded. On 9 days it was continuously overcast, while $61\frac{3}{4}$ hours of sunshine were recorded. Lightning was seen on the 25th and a thunder-storm occurred on the 26th. On 16 days rain was measured, the 17th having a fall of 0.79, the total for the month being 2.64. The highest reading of the maximum thermometer was 65° on the 25th, and the lowest 40° on the 10th, the mean was 51° . The highest reading of the minimum thermometer was 47° on the 22nd, and the lowest 32° on the 11th, having a mean of $37^{\circ} 6'$. The mean temperature of the solar rays was 81° , and on 16 occasions the grass minima was at or below 32° with a mean of $29^{\circ} 6'$. The highest reading of the barometer was 30.332 on the 8th, and the lowest 28.750 on the

2nd, the mean being 29.805. The mean temperature of the earth at 1ft. deep was 42° and at 4ft. deep 43° 8'.

APRIL.

The month's weather was somewhat variable. A few pleasant spring days were experienced, but it was very unsettled on the whole, being squally at times with frequent low temperatures. Snow fell on 6 days, the 16th having a fall of $1\frac{1}{2}$ inches, at other periods sleet hail, and rain occurred, the winds being chiefly northerly and often very cold, a thunderstorm occurring on the 29th. Rain was measured on 17 days, having a total of 1.99. On the 30th 0.42 fell, being the heaviest fall for the month. The highest reading of the maximum thermometer was 60° on the 28th, and the lowest 39° on the 15th, having a mean of 50°. The highest reading of the minimum thermometer was 45° on the 29th, and the lowest 26°, on the 13th the mean was 35°. The mean temperature in the solar rays was 94° 7', while that of the grass minima was 30°, being at or below 32° on 18 occasions, the lowest was 21° on the 13th. The highest reading of the barometer was 30.400, and the lowest 29.442, having a mean of 29.913 for the month. The mean temperature of the earth at 1ft. deep was 43° 5', and at 4ft. deep 45°. The duration of sunshine recorded was 95½ hours.

MAY.

Very wet and almost sunless weather was experienced until the 10th of the month. Although generally overcast and dull it was somewhat warmer. Towards the end of the month brighter weather prevailed, with much higher temperatures, the nights being very mild. The 8th and 9th had exceptional falls of rain, measuring 1.73, the total for the period being 2.96. The winds were very variable, though moderate in force. The highest reading of the maximum temperature was 71° on the 22nd, and the lowest 46° on the 9th, having a mean of 56° 6'. The highest reading of the minimum thermometer was 50° on the 22nd, and 28th, and

the lowest 30° on the 11th and 12th, the mean being 42° . The mean temperature in the solar rays was $93^{\circ} 5'$. The grass minimum recorded frost on 6 occasions having a mean of $37^{\circ} 9'$. The highest barometer reading was 30.566 on the 23rd, and the lowest 29.364 on the 4th, the mean for the period being 30.139. The mean temperature of the earth at 1ft. deep was $48^{\circ} 9'$, and at 4ft. deep 47° , and the duration of bright sunshine 92 hours.

JUNE.

The weather was remarkable for its variable character, some days being extremely cold, while equally warm and very mild days alternated with the cold. This was observed with a principally North wind until the 20th, when more uniform temperatures prevailed with southerly winds. On 8 days only rain was measured the total being 1.74, of this 0.99 fell on the 13th. With a sultry day on the 25th thunder with hail and rain occurred. The maxima reading was 70° . The highest reading of the maximum thermometer was 91° on the 28th, and the lowest 51° on the 13th, the mean being 62.6. The highest reading of the minimum thermometer was 60° on the 27th, and the lowest 39° on the 21st, the mean being 47° . The mean temperature in the solar rays was 108° , while the lowest reading of the grass minima was 33° on the 21st. The highest reading of the barometer was 30.514 on the 6th, and the lowest 29.768 on the 15th, the mean for the period being 30.156. The mean temperature of the earth at 1ft. deep was 55° , and at 4ft. deep $51^{\circ} 5'$, the total sunshine recorded was 124 hours.

JULY.

Though mild weather generally prevailed yet it was very cloudy on many of the days, and broken by frequent falls of rain, the total of which was 2.68, which was measured on 16 days, the heaviest fall being 0.58 on the 14th. It was stormy and cold on the 6th and 7th and sultry on the 10th, while thunderstorms occurred on the 11th and 29th. The winds

varied very much. The sunshine recorded was much below the average, and only totalled 106 hours. The highest reading of the maximum thermometer was 86° on the 10th, and the lowest 59° on the 30th, having a mean of $67^{\circ} 7'$. The highest reading of the minimum thermometer was 58° on the 9th, and 10th, the lowest was 41° on the 8th, and the mean $51^{\circ} 9'$. The mean temperature in the solar rays was 107° . The lowest reading of the grass minimum was 34° on the 8th, while the highest was 55° on the 8th. The highest reading of the barometer was 30.384 on the 9th, and the lowest 29.648 on the 28th, having a mean for the month of 29.943. The mean earth temperature at 1ft. was $59^{\circ} 6'$ and at 4ft. 55° .

AUGUST.

Some bright mild days were experienced at intervals, though many days were almost sunless. From the 3rd to the 13th fine weather prevailed, but with fairly strong winds at times. From the 14th to the 20th heavy rains fell, also from the 24th to the 28th, the total for the period was 3.19 measured on 15 days, the heaviest falls being 0.62, 0.68 and 0.82 on the 17th, 20th and 24th respectively. The total bright sunshine recorded was $111\frac{1}{4}$ hours, being low for the period. The winds were mostly southerly and frequently strong, being stormy on the 9th, 15th and 16th, and a strong gale on the 30th. The highest reading of the maximum thermometer was 73° on the 8th, and the lowest 57° on the 20th, the mean was 65° . The highest reading of the minimum was 57° on the 14th, and the lowest 46° on the 17th, 19th and 24th, the mean was 50° . The mean temperature in the solar rays was 105° , and that of the grass minimum 44° . The highest reading of the barometer was 30.226 on the 7th, and the lowest 29.164 on the 15th, the mean for the month being 29.853. The mean temperature of the earth at 1ft. deep was $57^{\circ} 7'$, and at 4ft. deep 57° .

SEPTEMBER.

Though the rainfall was considerable, viz. 3.13, and measured on 16 days, "yet" there were a few mild genial days,

with a reasonable amount of sunshine recorded. Until the 14th unsettled weather prevailed, the 9th and 10th being squally, while hail fell on the 2nd, 9th and 10th. The winds were S.W. to the 8th, from then to the 16th Northerly winds occurred with lower temperatures and very wet weather (1.26 of rain falling on the 10th), after which south easterly winds prevailed to the end of the month with much milder weather. The total sunshine for the month being 100 hours. The highest reading of the maximum thermometer was 73° on the 1st, and the lowest 56° on the 14th, while the mean was $62^{\circ} 9'$. The highest reading of the minimum thermometer was 56° on the 29th, and the lowest 32° on the 18th, having a mean of $47^{\circ} 5'$. The mean temperature in the solar rays was 101° , and that of the grass minimum 40° , and on 5 occasions the readings were at or below 32° . The highest reading of the barometer was 30.556 on the 15th, the lowest being 29.106 on the 10th, having a mean of 30.085 for the period. The mean temperature of the earth at 1ft. deep was $54^{\circ} 5'$, and at 4ft. deep $55^{\circ} 9'$.

OCTOBER.

The month was exceptional for its many wet days and the heavy total rainfall, viz. 5.84. This occurred on 26 days, eight of which had falls of half an inch or over. Throughout it was very cloudy or overcast, with barely 40 hours of bright sunshine recorded, 14 days being absolutely sunless. On the 5th and 6th it was stormy, and it was frequently very cold with much mist. West and south-west winds generally prevailed. The highest reading of the maximum thermometer was 66° on the 1st, and the lowest 51° on the 23rd, having a mean of 56° . The highest reading of the minimum was 51° on the 8th, and the lowest 30° on the 24th, the mean being 44° . The mean temperature in the solar rays was $79^{\circ} 9'$, and that of the grass minimum 36° , while on 4 occasions it was at or below freezing point. The highest reading of the barometer was 30.150 on the 18th, and the lowest 29.016, the mean being

29.628, on three days only it was above 29.000. The mean temperature of the earth at 1ft. deep was 50° , and at 4ft. deep 53.5 .

NOVEMBER.

The weather was cold and unpleasant in the extreme throughout the month, it was very often overcast, with periods of dense fog or mist. Sleet fell on the 17th and 30th, and 3 inches of snow also fell on the 30th. With hail from the 8th to the 18th it was generally dull and wet, though the total rainfall was only 1.63, which was measured on 17 days, and the total period of bright sunshine was only $38\frac{1}{2}$ hours. The highest maximum temperature was 56° on the 10th, and the lowest reading was 34° on the 30th, the mean was $48^{\circ} 7'$. The highest reading of the minimum thermometer was 48° on the 2nd, and the lowest 27° on the 30th, on which date snow, sleet and hail fell, with N.N.W. winds, the mean for the month was $37^{\circ} 7'$. The mean temperature in the solar rays was $64^{\circ} 7'$, and that of the grass minimum $30^{\circ} 8'$, on 20 days it was at or below 32° . The highest barometer reading was 30.692 on the 5th, and the lowest was 29.121 on the 28th, the mean being 30.051. The mean temperature of the earth at 1ft. deep was 43° , and at 4ft. deep $49^{\circ} 6'$.

DECEMBER.

Throughout this month except on the 1st it was absolutely sunless, being winterly from the 1st to the 3rd, also cold and stormy. Some very dense fogs and much mist was also experienced, being frequently hazy and cold. South easterly winds were predominant with a few periods of calm. The rainfall was only moderate, viz. 0.80, measured on 11 days. The highest reading of the maximum thermometer was 49° on the 22nd, and the lowest 31° on the 6th, the mean was $41^{\circ} 7'$. The highest reading of the minimum was 43° on the 22nd, and the lowest 26° on the 1st, the mean being 34° . The mean temperature in the solar rays was 49° , and that of the grass minimum $27^{\circ} 7'$, while on 24 days it was at or below 32° . The mean earth temperature at 1ft. deep was $38^{\circ} 7'$, and at 4ft. deep $45^{\circ} 5'$.

APPENDIX

TO THE

Report of the Medical Officer of Health.

1903.

DEATHS FROM ZYMOTIC DISEASES.—STREET LIST

DRYPOOL.

	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhoea
Abbey Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Alexandra Dock	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Alma Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Arundel Street	0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 2 .. 3						
Balfour Street	0 .. 1 .. 0 .. 1 .. 0 .. 0 .. 0 .. 1						
Barnsley Street	0 .. 2 .. 0 .. 0 .. 0 .. 1 .. 4						
Beaumont Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 1						
Beeton Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 1						
Bellamy Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0						
Berkshire Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 1						
Brazil Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 2						
Bright Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 3						
Buckingham Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 2						
Courtney Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 4						
Craven Street	0 .. 1 .. 0 .. 0 .. 0 .. 1 .. 1						
Crowle Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Dansom Lane	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0						
De la Pole Place	0 .. 1 .. 0 .. 1 .. 0 .. 0 .. 0						
De la Pole Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0						
Durham Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 2						
Feather Lane	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0						
Ferries Street	0 .. 1 .. 0 .. 1 .. 0 .. 0 .. 1						
Field Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Franklin Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 1						
Great Union Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 1						
Harcourt Street	0 .. 1 .. 0 .. 1 .. 0 .. 0 .. 0						

	Small Pox		Measles		Scarlatin		Diphtheria		Whoopin Cough		Fevers		Diarrhoea
Holderness Road	0	..	0	..	0	..	1	..	0	..	0	..	1
Holland Street	0	..	1	..	0	..	0	..	0	..	0	..	4
Hume Street	0	..	0	..	0	..	0	..	0	..	1	..	0
James Street	0	..	0	..	0	..	1	..	0	..	0	..	0
Kent Street	0	..	0	..	0	..	1	..	0	..	0	..	0
Lee Street	0	..	0	..	0	..	1	..	0	..	0	..	0
Lee Smith Street	0	..	1	..	0	..	1	..	0	..	0	..	0
Marvel Street	0	..	0	..	0	..	0	..	0	..	0	..	1
Merrick Street	0	..	0	..	0	..	1	..	0	..	0	..	0
Mersey Street	0	..	2	..	0	..	0	..	0	..	0	..	0
Naylor's Row	0	..	0	..	0	..	2	..	0	..	0	..	0
Nornabell Street	0	..	1	..	0	..	0	..	0	..	0	..	2
Pelham Street	0	..	1	..	0	..	1	..	0	..	0	..	0
Prospect Place	0	..	0	..	0	..	1	..	0	..	0	..	0
Raikes Street	1	..	1	..	0	..	0	..	0	..	0	..	0
Ripon Street	0	..	1	..	0	..	0	..	0	..	0	..	1
Rosmead Street	0	..	1	..	0	..	0	..	0	..	0	..	0
Rustenberg Street	0	..	0	..	0	..	0	..	0	..	0	..	1
St. Quintin's Place	0	..	0	..	0	..	2	..	0	..	0	..	0
Severn Street	0	..	0	..	0	..	1	..	0	..	0	..	1
Southcoates Lane	0	..	0	..	0	..	1	..	0	..	0	..	0
Strawberry Street	0	..	0	..	0	..	0	..	1	..	0	..	0
Studley Street	0	..	0	..	0	..	1	..	0	..	0	..	2
Waller Street	0	..	2	..	0	..	0	..	0	..	0	..	4
Warwick Street	0	..	2	..	0	..	2	..	0	..	0	..	0
Williamson Street	0	..	1	..	0	..	0	..	0	..	0	..	0
Woodhouse Street	0	..	2	..	0	..	1	..	0	..	0	..	0
Wyke Street	0	..	2	..	0	..	0	..	0	..	0	..	1

SUTTON.

Aurora Street	0	..	0	..	0	..	0	..	0	..	0	..	1
Bedford Street	0	..	1	..	0	..	0	..	1	..	0	..	1
Chapman Street	0	..	1	..	0	..	0	..	0	..	0	..	2

	Small Pox				Scarlatina		Diphtheria		Whooping Cough		Fevers		Diarrhoea	
Cleveland Street	0	..	1	..	0	..	1	..	0	..	0	..	1	
Cornwall Street	0	..	1	..	0	..	0	..	0	..	0	..	1	
Dalton Street	0	..	2	..	0	..	0	..	0	..	0	..	4	
Dansom Lane	0	..	0	..	0	..	0	..	0	..	0	..	1	
Durban Street	0	..	1	..	0	..	0	..	0	..	0	..	0	
Hodgson Street	0	..	5	..	0	..	1	..	0	..	0	..	3	
Hyperion Street	0	..	0	..	0	..	0	..	0	..	0	..	1	
Jarvis Street	0	..	1	..	0	..	0	..	0	..	0	..	0	
Lime Street	0	..	2	..	0	..	0	..	0	..	0	..	1	
Poplar Street	0	..	4	..	0	..	0	..	0	..	0	..	0	
St. Mark's Street	0	..	2	..	0	..	3	..	0	..	0	..	0	
Sidney Street	0	..	0	..	0	..	1	..	0	..	1	..	0	
Spyvee Street	0	..	3	..	0	..	1	..	2	..	0	..	2	
Stoneferry	0	..	4	..	0	..	0	..	3	..	0	..	2	
Sutton Bank	0	..	1	..	0	..	0	..	0	..	0	..	1	
Witham	0	..	0	..	0	..	0	..	0	..	0	..	2	
Withernsea Street	0	..	3	..	0	..	0	..	0	..	0	..	0	

EAST SCULCOATES.

Aldbro' Street	1	..	0	..	0	..	1	..	0	..	0	..	2	
Bishop Street	0	..	1	..	0	..	0	..	0	..	0	..	2	
Bourne Street	0	..	0	..	0	..	0	..	0	..	1	..	0	
Bromley Street	0	..	0	..	0	..	0	..	0	..	0	..	1	
Central Street	0	..	0	..	0	..	0	..	0	..	0	..	1	
Cumberland Street	0	..	0	..	0	..	0	..	0	..	0	..	6	
Fountain Road	0	..	0	..	0	..	0	..	0	..	0	..	1	
Green Lane	0	..	0	..	0	..	0	..	0	..	0	..	1	
Kirkby Street	0	..	0	..	0	..	0	..	0	..	0	..	1	
Lockwood Street	0	..	0	..	0	..	0	..	0	..	0	..	1	
Mason Street	0	..	1	..	0	..	0	..	0	..	0	..	0	
New George Street	1	..	0	..	0	..	0	..	0	..	0	..	1	
Northumberland Avenue	0	..	1	..	0	..	0	..	0	..	0	..	2	
Oxford Street	0	..	2	..	0	..	0	..	0	..	0	..	2	

	Small Pox		Measles		Scarlatina		Diphtheria		Whooping Cough		Fevers		Diarrhoea	
Scott Street	0	..	0	..	0	..	0	..	0	..	0	..	0	3
Sculcoates Lane	0	..	0	..	0	..	0	..	0	..	0	..	0	1
Swann Street	0	..	2	..	0	..	0	..	0	..	0	..	0	0
Sykes Street	0	..	0	..	0	..	1	..	0	..	0	..	0	1
Westmoreland Street ..	0	..	0	..	0	..	1	..	0	..	0	..	0	0
Wharram Street	0	..	0	..	0	..	0	..	0	..	0	..	0	1
Wincolmlee	0	..	0	..	0	..	1	..	0	..	0	..	0	4
York Street	0	..	1	..	0	..	0	..	0	..	0	..	0	2

WEST SCULCOATES.

Beverley Road	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0
Blake Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 2
Blundell Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Bridlington Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0
Cave Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0
Charles Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 2
Clifton Terrace, Stepney	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Clifton Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 1
Derby Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0
Drain Side	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0
Exchange Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Finsbury Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0
Fountain Road	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Francis Street East	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1 .. 0 .. 0
Francis Street West ...	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Gibson Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 5
Grange Street	0 .. 1 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0
Holmes Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 2
Hutt Street	0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0
Leonard Street	0 .. 0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0
Lorne Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1 .. 0 .. 2
Marlborough Terrace ...	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Norfolk Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0

	Small Pox		Measles		Scarlatina		Diphtheria		Whooping Cough		Fevers		Diarrhoea
Park Road	0	..	0	..	0	..	0	..	0	..	0	..	1
Providence Row	0	..	1	..	0	..	0	..	1	..	0	..	0
Raywell Street	0	..	0	..	0	..	0	..	0	..	0	..	4
Reform Street	0	..	1	..	0	..	1	..	0	..	0	..	0
Rodney Street	0	..	0	..	1	..	0	..	0	..	0	..	0
St. Paul's Street	0	..	3	..	0	..	0	..	0	..	0	..	6
Sculcoates Lane	0	..	1	..	0	..	1	..	0	..	0	..	1
Seaton Street	0	..	0	..	0	..	1	..	0	..	0	..	1
Somerscales Street	0	..	0	..	0	..	0	..	1	..	0	..	1
Symons Street	0	..	0	..	0	..	0	..	0	..	0	..	2
Temple Street	0	..	0	..	0	..	0	..	0	..	0	..	2
Terry Street	0	..	0	..	0	..	0	..	0	..	0	..	2
Vane Street	0	..	0	..	0	..	1	..	0	..	0	..	0
Walmsley Street	0	..	0	..	0	..	1	..	0	..	0	..	0
Waterloo Street	0	..	2	..	0	..	1	..	1	..	0	..	7

HUMBER.

Adelaide Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 2
Anlaby Road	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Blackfriargate	0 .. 1 .. 0 .. 0 .. 0 .. 1 .. 0
Canning Street	0 .. 0 .. 0 .. 0 .. 0 .. 1 .. 0
Collier Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Colonial Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
English Street	0 .. 1 .. 0 .. 1 .. 0 .. 0 .. 3
Great Passage Street ..	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 1
High Street	0 .. 3 .. 0 .. 0 .. 0 .. 0 .. 4
Humber Dock Street ..	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Humber Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0
Lister Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0
Lowgate	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0
Michael Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 3
Moxon Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Mytongate	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 1

	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhoea
Myton Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
North Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Pearson Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Pease Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 4						
Porter Street	0 .. 1 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Portland Place	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Prince Street	1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0						
Queen Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0						
St. James' Street							
(Cottage Row)	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 2						
St. Luke's Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1 .. 0 .. 0						
Salthouse Lane	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Spencer Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Spring Street	0 .. 2 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 3						
Temperance Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0						
Upper Union Street ...	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Waverley Street	1 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
West Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 3						
William Street	0 .. 2 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 3						
Wood's Lane	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0						

MYTON.

Adelaide Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 2
Airlie Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0
Albemarle Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Alexandra Street	0 .. 0 .. 0 .. 0 .. 0 .. 2 .. 0 .. 0 .. 0 .. 0
Alfred Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 2
Anlaby Road	0 .. 0 .. 0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0
Argyle Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Bean Street	0 .. 0 .. 0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 4
Boulevard (South)	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Camden Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
Campbell Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0

	Small Pox	Measles	Scarlatina	Diphtheria	Whooping Cough	Fevers	Diarrhoea
Clarendon Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 1						
Constable Street	0 .. 0 .. 0 .. 0 .. 0 .. 1 .. 1						
Day Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 2						
Division Road	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
English Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Eton Street	0 .. 1 .. 0 .. 0 .. 1 .. 0 .. 0						
Goodwin Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Harrow Street	0 .. 0 .. 1 .. 1 .. 0 .. 0 .. 0						
Hessle Road	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Jackson Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Londesborough Street ..	0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 1						
Madeley Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Marmaduke Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 3						
Neptune Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 3						
Parrott Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 2						
Rosamond Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 1						
St. Matthew's Street ...	0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0						
South Parade	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Strickland Street	0 .. 0 .. 0 .. 0 .. 1 .. 0 .. 3						
Sutton Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Tadman Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Tomlinson Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 2						
Vauxhall Grove	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 5						
Walcott Street	0 .. 1 .. 1 .. 0 .. 0 .. 0 .. 3						
Walker Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Wassand Street	1 .. 0 .. 0 .. 0 .. 1 .. 0 .. 3						
Wawne Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1						
Wellsted Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0						
West Dock Avenue	0 .. 0 .. 0 .. 0 .. 1 .. 0 .. 0						
West Dock Street	0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0						
West Parade	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 3						
Wyndham Street	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 2						

NE WINGTON.

	Small Pox		Measles		Scarlatina		Diphtheria		Whooping Cough		Fevers		Diarrhoea
Brighton Street	0	..	0	..	0	..	0	..	0	..	0	..	3
Chiltern Street	0	..	0	..	0	..	0	..	0	..	1	..	3
Clyde Street	0	..	0	..	0	..	1	..	0	..	0	..	1
Eastbourne Street	0	..	1	..	0	..	0	..	0	..	0	..	1
Edinburgh Street	0	..	0	..	0	..	0	..	0	..	0	..	3
Flinton Street	0	..	0	..	0	..	0	..	0	..	0	..	2
Gillett Street	0	..	1	..	0	..	0	..	0	..	0	..	1
Granville Street	0	..	0	..	0	..	0	..	0	..	0	..	1
Greek Street	0	..	0	..	0	..	2	..	0	..	0	..	0
Haltemprice Street	0	..	1	..	0	..	0	..	0	..	0	..	0
Hawthorne Avenue	0	..	1	..	0	..	0	..	0	..	0	..	5
Liverpool Street	0	..	1	..	0	..	0	..	0	..	0	..	4
Manchester Street	0	..	0	..	0	..	0	..	0	..	0	..	3
Massey Street	0	..	0	..	0	..	0	..	0	..	0	..	3
Paisley Street	0	..	0	..	0	..	0	..	0	..	1	..	0
Pulman Street	0	..	0	..	0	..	0	..	0	..	0	..	1
Rhodes Street	0	..	1	..	0	..	0	..	0	..	0	..	0
Rugby Street	0	..	0	..	0	..	0	..	0	..	0	..	2
St. Andrew's Street	0	..	0	..	0	..	0	..	1	..	0	..	0
St. Leonard's Avenue	0	..	0	..	0	..	0	..	2	..	0	..	0
Scarborough Street	0	..	0	..	0	..	0	..	0	..	0	..	2
Somerset Street	0	..	1	..	0	..	0	..	0	..	0	..	3
Subway Street	0	..	2	..	0	..	0	..	0	..	0	..	1
Walton Street	0	..	0	..	0	..	0	..	0	..	1	..	0
Westbourne Street	0	..	0	..	0	..	0	..	0	..	0	..	3
Wheeler Street	0	..	1	..	0	..	0	..	0	..	0	..	0
Witty Street	0	..	0	..	0	..	1	..	0	..	0	..	0
Woodcock Street	0	..	0	..	0	..	0	..	1	..	0	..	3

NEWLAND.

Beaconsfield Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0
Blenheim Street	0 .. 0 .. 0 .. 1 .. 0 .. 0 .. 0 .. 0 .. 0

	Small Pox		Measles		Scarlatina		Diphtheria		Whooping Cough		Fevers		Diarrhoea	
Clumber Street	0	..	0	..	0	..	0	..	0	..	0	..	1	
Fitzroy Street	0	..	0	..	0	..	1	..	0	..	0	..	0	
Hardy Street	0	..	0	..	0	..	0	..	0	..	1	..	0	
Maple Street	0	..	0	..	0	..	2	..	0	..	0	..	0	
May Street	0	..	0	..	0	..	0	..	0	..	0	..	1	
Newland Avenue	0	..	1	..	0	..	1	..	0	..	0	..	1	
Prince's Road	0	..	0	..	0	..	1	..	0	..	0	..	1	
Queen's Road	0	..	0	..	0	..	0	..	0	..	0	..	1	
Thoresby Street	0	..	0	..	0	..	1	..	0	..	0	..	0	
Worthing Street	0	..	0	..	0	..	0	..	0	..	0	..	1	

MARFLEET.

Marfleet	0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 0 .. 1
----------------	--

TOWN HALL,
HULL, 1904.

To the Medical Officer of Health.

SIR,

I beg to present you my report upon the work done in the Nuisance Inspector's Department during the year 1903, in the usual tabular form.

In one or two cases I have appended the totals of similar tables for 1902, for your more ready comparison.

I am, Sir,

Your obedient Servant,

C. W. EVINGTON,

Cert. Assoc. San. Inst.

No. 19.—Table shewing number of Nuisances dealt with by Informal or Legal Notices during the year 1903.

ORDERS GIVEN.	No. of Nuisances.
To Provide new sanitary pipe drainage	176
„ Relay or repair drains	99
„ Remove old drains	2
„ Provide sanitary gullies	311
„ To provide intercepting traps and inspection chambers	9
„ Cleanse choked drains	221
„ „ „ gullies	594
„ Provide grates to gullies	18
„ Disconnect fall-spouts from drains	64
„ „ slopsink waste pipes from drains	18
„ Replace, repair or cleanse fall-pipes and slopsink waste pipes...	53
„ Provide new or repair existing pavement	748
„ Convert privies into w.c.'s	23
„ Replace pan closets with w.c.'s of modern type	9
„ Repair w.c.'s, replace w.c. basin, &c.	13
„ Erect or repair urinals	3
„ Provide new or repair existing w.c. and urinal flushing apparatus	20
„ Cleanse w.c.'s and urinals	17
„ Provide new or repair existing soil pipes and vent pipes	28
„ „ additional privy or w.c. accommodation	8
„ Reconstruct privies	2
„ Remove or disconnect privies from houses	5
„ Flag and cement privy soil pits	403
„ Repair privy soil pits and floors	132
„ „ or renew privy woodwork	106
„ Provide privy pails	57
„ „ dust bins	133
„ Repair roofage	109
„ „ ceilings	7
„ Provide new or repair or cleanse existing eaves and fall-spouting..	226
„ Repair walls	23
„ „ or close dilapidated premises	37
„ Cleanse and limewash dirty premises, areas, passages, privies, &c.	280
„ Cease to allow dwellings to be overcrowded	14
„ Repair floors of kitchens, sculleries, &c.	13
„ Provide ventilation under ground floors	25
„ Remove animals, poultry, &c.	35
„ „ dead rats from under floors	2
„ Erect or repair manure pits	37
„ Remove manure	78
„ To provide water supply	3
„ Remove offensive refuse	7
„ Cleanse ponds, dykes, &c.	7
„ Remove stagnant water	17
„ „ pigs	8
„ Abate smoke nuisances	15
„ „ stench nuisance	2
Total	4217

TABLE No. 20.—TABULATED STATEMENT OF THE NUMBER OF HORSES EMPLOYED, AND THE WORK DONE IN THE ASH-PIT CLEANSING DEPARTMENT.

FORTNIGHT ENDED. 1902.	No. of Ashpits emptied.	No. of Ashpits inspected.	No. of refusals to admit Collectors.	No. of doors fast.	No. of empty houses.	No. of loads removed from		Total No. of Loads.	Daily Average No. of Horses
						Houses, Shops, &c.	Open Spaces, Vacant Lands, &c.		
January 3rd	26152	94	...	...	...	638	3	641	28
" 17th	32399	915	...	...	...	800	11	811	
" 31st	31919	854	...	...	...	751	11	762	
February 14th	31252	1469	...	...	...	750	8	758	
" 28th	30661	1572	...	...	...	744	14	758	
March 14th	32085	1461	...	...	...	761	9	770	
" 28th	31463	1396	...	...	...	761	12	773	
April 11th	30418	1172	...	...	...	730	3	733	
" 25th	30627	1091	...	...	...	725	9	734	
May 9th	32294	908	...	...	...	773	8	781	
" 23rd	29905	1034	...	...	...	717	11	728	
June 6th	28897	1133	...	...	...	702	17	719	
" 20th	31508	1477	...	...	...	743	7	750	
July 4th	33224	1805	...	...	...	769	4	773	
" 18th	32512	1983	...	...	...	751	8	759	
August 1st	31400	1536	...	...	...	729	1	730	
" 15th	29792	1884	...	...	...	681	3	684	
" 29th	33126	1874	...	...	...	770	1	771	
Sept. 12th	32158	1894	...	...	...	752	1	753	
" 26th	32938	1732	...	...	...	760	1	761	
October 10th	32869	2037	...	...	...	777	1	778	
" 24th	34002	2089	...	...	...	738	...	738	
Nov. 7th	34062	2631	...	...	...	781	2	783	
" 21st	34149	2782	...	10	4	778	11	789	
Dec. 5th	33614	2443	...	26	7	762	11	773	
" 19th	33415	2331	...	2	1	787	...	787	
Totals...	826841	41597	—	38	12	19430	167	19597	—

No. 21.—Table shewing number of Applications made at the Sanitary Office for the Removal of Nightsoil, House Refuse, &c., with *bona-fide* complaints.

DATE. 1902.	NUMBER OF APPLICATIONS.			NUMBER OF BONA-FIDE COMPLAINTS.	
	Nightsoil.	House Refuse, &c.		Nightsoil.	House Refuse, &c.
		Privy Houses.	W.C. Houses.		
Jan. 3.....	21	48	1	...	...
„ 17.....	28	37	1	1	...
„ 31.....	23	23	1	...	...
Feb. 14.....	14	32	2	4	...
„ 28.....	19	38	1	...	...
Mar. 14.....	18	46	2	...	...
„ 28.....	31	60	1	...	...
April 11.....	17	56	...	...	...
„ 25.....	18	47	5	...	...
May 9.....	20	58	3	...	...
„ 23.....	20	60	5	...	...
June 6.....	13	151	3	...	...
„ 20.....	17	139	5	...	...
July 4.....	20	183	7	...	...
„ 18.....	21	146	4	...	...
Aug. 1.....	17	106	2	...	...
„ 15.....	17	104	6	2	...
„ 29.....	17	138	2	...	...
Sept. 12.....	34	120	3	...	...
„ 26.....	21	124	4	...	...
Oct. 10.....	26	173	7	...	...
„ 24.....	20	124	8	2	...
Nov. 7.....	17	152	5	...	...
„ 21.....	20	151	5	...	...
Dec. 5.....	17	124	2	2	...
„ 19.....	27	75	...	1	...
Total.....	533	2515	85	12	...

No. 22.—Return of Drainage Work done by order of
Informal or Statutory Notices during the year 1903.

No. of Hoases provided with new drainage	193
Length of Drainage (in feet)	5,409
„ Areas, Back Passages, &c., provided with New Drainage ...	27
Length of Drainage (in feet)	1,414
„ Houses provided with New Pavement... ..	277
Area of Pavement (in square feet)	18,940
„ Areas, Back Passages, &c.. provided with New Pavement ...	74
Area of Pavement (in square feet)	28,875
„ Sanitary Gullies provided	335
„ Intercepting Traps and Inspection Chambers	9
„ Additional w.c.'s provided	1
„ Defective w.c.'s replaced	24
W.C. Flushing Apparatus, &c., repaired	9
No. of Urinals provided	1
„ Privies converted into w.c.'s	10
„ „ reconstructed or disconnected from houses	4
„ Privy Pails provided	21
„ Dustbins provided	111
„ Manure pits provided	7

Return of Drainage, &c., work done by letter or
arrangement during the year 1903.

No. of Houses provided with New Drainage	140
Length of Drainage (in feet)	6,417
„ Areas, Back Passages, &c., drained	4
Length of Drainage (in feet)	539
„ Houses provided with New Pavement... ..	46
Area of Pavement (in square feet)	6,267
„ Areas, Back Passages, &c., provided with New Pavement ...	6
Area of Pavement (in square feet)	5,570
„ Sanitary Gullies provided	136
„ Inspection Chambers and Intercepting Traps	21
„ Additional w.c.'s provided	19
„ Defective w.c.'s replaced	14
„ Privies converted into w.c.'s	43
„ „ repaired	12
„ Dustbins provided	36
„ Urinals provided	2
„ Drains cleansed	8
„ Gullies „	24
„ Manure Pits provided	1

OFFENSIVE TRADES AND SMOKE NUISANCE REPORT.

For the year ending December 31st, 1903.

Offensive Trades (Day Inspections)	..	..	..	2309
„ „ (Night Inspections)	..	..	..	42
Smoke Inspections ..	..	..	..	636
Pigsties Inspected ..	..	..	..	1184
Total	..	..	..	4171

No. 23.—TABLE SHEWING CASES OF ZYMOTIC DISEASES INVESTIGATED
DURING 1903.

DISTRICTS.	Small Pox.	Measles.	Scarlatina.	Diphtheria.	Group.	Whooping Cough.	Fevers.	Diarrhoea.	Erysipelas.	Continued Fever.	Puerperal Fever.	Total.
Drypool	16	477	102	174	5	1	41	51	37	9	6	919
Sutton.....	3	399	22	59	1	6	4	23	11	..	2	530
East Sculcoates	29	278	17	16	..	..	2	33	23	..	1	399
West Sculcoates	8	272	64	66	2	4	12	47	54	..	2	531
Humber	14	227	34	59	3	..	22	44	44	2	1	450
Myton	29	195	148	38	1	8	13	58	62	1	2	555
Newington	..	333	72	32	..	4	10	45	36	..	4	536
Newland.....	..	111	33	49	..	..	5	6	7	..	..	211
Marfleet	..	22	..	1	..	..	..	1	..	..	..	24
Totals.....	99	2314	492	494	12	25	109	308	274	12	18	4155

Disinfecting Station.

No. 24.—Table shewing number of Persons bathed, also Articles from private houses, and Books from the Public Libraries, disinfected at the Disinfecting Station, and Houses Fumigated, during the year 1903.

MONTHS.	No. of Persons Bathed.	No. of Articles Dis- infected.	No. of Books Dis- infected.	HOUSES FUMIGATED.	
				DISTRICTS.	No. of Houses.
January ...	14	2407	33	Drypool.....	784
February...	5	1040	33	Sutton	373
March	22	2749	5	East Sculcoates .	296
April	69	2164	—	West Sculcoates.	450
May	88	2572	—	Humber	321
June	37	874	—	Myton	513
July	53	1393	21	Newington	459
August ...	49	2548	18	Newland	167
September	14	1972	19	Marfleet	16
October...	19	2014	10		
November .	18	1653	37		
December	17	2160	33		
Totals	405	23546	209		3379

No. 25.—Table shewing number of Registered and Licensed Premises which require inspection.

Description of Premises.	No.
Common Lodging Houses.....	32
Seamen's Lodging Houses	42
Slaughter Houses	64
Fish Curing Houses	52
Cow Sheds (2500 Cows).....	184
Milk Shops	768
Tripe Boiling Houses.....	9
Fat and Tallow Melting Works	5
Soap Boilers.....	3
Bone Boiling Works	4
Gut Scraping „	3
Knackeries	2
Fish Manure Works	2
Cod Liver Boilers	6
Ammoniacal Liquor Works	2
Total.....	1178

No. 26.—Table of Common Lodging Houses, their situation,
and the number of Rooms and Lodgers.

STREETS.	No. of Houses.	No. of Rooms.	Registered No. of Lodgers.
Blanket Row.....	5	39	300
Cross Street	1	5	23
Dock Street	3	23	152
Empringham Street	1	9	72
Finkle Street	1	8	27
Garden Street	1	3	10
Great Union Street.....	2	15	135
Lister Street.....	1	8	43
Little Humber Street	1	13	75
Mill Street.....	2	10	38
Myton Place.....	1	7	42
Osborne Street.....	2	11	60
Robinson Row	1	8	29
Salthouse Lane	3	28	174
Waltham Street	1	5	36
Waterhouse Lane	2	14	106
Waverley Street	1	17	97
West Street	3	18	90
Totals.....	32	241	1509

No. 27.—Table of Seamens' Lodging Houses, their situation,
and the number of Rooms and Lodgers.

STREETS.	No. of Houses.	No. of Rooms.	Registered No. of Lodgers.
Adelaide Street	1	3	7
Blackfriargate	1	4	11
Blanket Row	1	3	11
Burton Street	1	3	6
Castle Street	3	9	23
Charlotte Street	1	5	25
Cogan Street	4	12	36
Dagger Lane.....	1	3	11
Dock Street	1	6	21
Empringham Street.....	1	1	4
Grimsby Lane	3	8	18
Hedon Road	4	13	54
Humber Street	2	8	33
Hotham Street	1	2	6
Kingston Street	3	13	34
Lister Street	2	12	45
Mytongate	4	16	46
Nile Street.....	3	16	49
Osbourne Street.....	3	12	37
Posterngate	1	6	14
Prospect Place	1	3	9
Salthouse Lane.....	3	19	80
Sewer Lane	1	2	8
Thomas Street	1	2	8
Tyne Street	1	1	4
Vicar Lane.....	1	5	13
Wellington Street.....	1	4	12
William Street	2	5	14
Wilton Street	1	6	22
Woodhouse Street	3	9	35
Totals	56	211	696

No. 28.—TABLE SHEWING APPLICATIONS FOR LICENSES AND REGISTRATIONS DURING
THE YEAR 1903.

Name.	Premises.	Places Registered.	Result.
Danish & Siberian Produce Company.....	38, Little Humber Street	Wholesale Dealers in Margarine...	Granted.
W. Cussons.....	Providence Row	Fat Boiler	Not Granted.
P. Rodwell	East View Farm, Marfleet.....	Cowshed and Dairy.....	Granted.
E. Trotter	4, Blackfriargate.....	Wholesale Dealer in Margarine ...	Do.
R. B. Wray.....	138, De la pole Avenue (rear of)	Cowshed and Dairy.....	Do.
Robert Scott	8, Arundell Street	Wholesale Dealer in Margarine ...	Do.
J. C. Day.....	59, Lister Street	Do.	Do.

No. 29.—TABLE SHEWING SAMPLES TAKEN UNDER “FOOD AND DRUGS ACT,”
AND RESULTS.

Description of Sample.	No. of Samples.	Pure.	Adulterated &c.	Prosecutions.	Results.
Baking Powder.....	37	37	...	...	.....
Bread	40	40	...	...	.....
Butter	66	60	6	6	Fined (1) £10 and costs and solicitor's fee; (2, 3 and 4) £2 and costs and half solicitor's fee respectively; (5) £1 and costs, and half solicitor's fee; (6) Summons withdrawn.
Cheese.....	4	4	...	...	.....
Coffee	22	20	2	2	{ Fined £2 and costs, and solicitor's fee in each case.
Dripping and Fish Fryers' Fat	23	23	...	...	.....
Flour	35	35	...	...	.....
Gin	2	2	...	...	.....
Ground Rice	33	33	...	...	.....
Ice Cream	33	33	...	...	.....
Lard	49	49	...	...	.....
Margarine ..	*2	...	...	2 Four Summonses.	{ (1) (a) Fined 20/- and costs. (b) Judgment respited on payment of costs. (1) (a) Fined 5/- and costs. (b) Judgment respited on payment of costs.

TABLE No. 29—Continued.

Description of Sample.	No. of Samples.	Pure.	Adulterated &c.	Prosecutions.	Results.
Milk	174	165	9	6	{ Fined (1) £15 and costs; (2) £10 and costs, and solicitor's fee; (3) £1 10s. 0d. and costs; (4) £1, including costs; (5) Withdrawn; (6) Judgment respited.
Mustard	7	7	...	...	
Oatmeal	13	13	...	...	
Pepper.....	27	27	...	...	
Sugar	34	34	...	...	
Tea	22	22	...	...	
Whiskey	20	17	3	1	
	643	619	22	17	

* Sold in contravention of the Sale of Food and Drugs Act, 1899.

No 30.—TABLE SHEWING SANITARY PROSECUTIONS, 1903.

DATE.	OFFENCE.	RESULT.
1903. 2nd January.....	Non-compliance with order to abate nuisance arising from accumulation of manure	Order made to abate nuisance and to cease to accumulate so as to be a nuisance
30th January ...	Selling 3 bags of Onions unfit for human food.....	Fined £10 and costs
"	Selling 8 bags of Onions unfit for human food	Fined £10 and costs
"	Selling about 16 stones of Onions unfit for human food	Judgment respited on payment of costs
"	Selling about 4 stones of Onions unfit for human food	Fined 10s and costs
13th February ...	Selling Coffee certified to consist of 1 part Chicory and 1 part Coffee	Fined £2 and costs, and Solicitor's fee
"	Do. 9 parts Chicory and 1 part Coffee	Do.
"	Selling Whiskey adulterated with 6 06 per cent. added water.....	Fined 10s and costs
27th February ...	Selling Milk certified to have been deprived of 36 per cent. of natural fat	Withdrawn
13th March	Selling Milk certified to be adulterated with 7·77 per cent. added water	Respited on payment of costs
27th March	Selling Milk certified to be adulterated with 10 per cent. added water and deprived of 15 per cent. of its natural fat	Fined £10 and costs and Solicitor's fee
16th April	Selling Butter certified to consist of 20 parts butter and 80 parts foreign fat	Fined £1 and costs and half Solicitor's fee
"	Selling Butter certified to consist of 20 parts butter and 80 parts foreign fat	Fined £2 and costs and half Solicitor's fee
"	Selling Butter certified to consist of 15 parts butter and 85 parts foreign fat	Fined £2 and costs and half Solicitor's fee

TABLE No. 30.—*Continued.*

DATE.	OFFENCE.	RESULT.
1903. 16th April	Selling Butter certified to consist of 25 parts butter and 75 parts foreign fat	Fined £2 and costs and half Solicitor's fee
"	Selling Milk adulterated with 6·59 per cent. of added water	Fined £15 and costs
"	Nuisance caused by an accumulation of Manure	Order made to cease to accumulate manure
"	Selling Apples unfit for human food.....	Fined £5 and costs and Witness fee
8th May	Selling Butter certified to consist of not less than 95 per cent. of foreign fat	Fined £10 and costs and Solicitor's fee
3rd July	Contravention of Seamen's Lodging House Byelaws—(1) Not keeping register; (2) Not giving free access to Inspector	Fined £1 and costs for each offence
"	Exposing for sale, and having offered for sale, 74 baskets Black Currants	Fined £7 10s and costs and Solicitor's fee
28th July.....	Using premises in Sewer Lane as a Slaughter House	Fined £1 including costs
31st July	Selling Milk certified to be adulterated with 6·36 of added water, and to be deficient in fat to the extent of 19·34 per cent.....	Fined 30s and costs
"	Contraventions of Sections 6 and 7 of Sale of Foods and Drugs Act, 1899 —(1) Extra printed matter on Margarine Wrapper	Fined 10s and costs
	(2) Wholesale dealer not registered	Fined 20s and costs

TABLE No 30.—*Continued.*

DATE.	OFFENCE.	RESULT.
1903. 20th November	Contravention of Sale of Food and Drugs Act, 1899— (1) Unlabelled Margarine Package..... (2) Other printed matter on Wrapper	(1) Fined 5s and costs (2) Judgment respited on payment of costs
18th December... ” ”	Selling 5 cases of Onions, and exposing for sale 5 cases of Onions totally unfit for human food..... Selling Butter containing 10 parts of butter and 90 parts foreign fat Selling Milk certified to contain 9·77 per cent. added water	Fined £1 and costs in each case and a Solicitor's fee Summons withdrawn Fined 20s including costs

ANNUAL REPORT OF THE INSPECTION AND REGISTRATION OF CANAL BOATS.

FOR THE YEAR ENDED 31ST DECEMBER, 1903.

Boats inspected	1329
Additional inspections made to ascertain if notices served had been complied with	197
Total number of inspections	1526
Boats in good order	1244
Contravening the Acts	85
	1329

The 1329 boats inspected during the year are registered to accommodate 7911 adult persons, whilst only 2933 adults (2445 males, 488 females) and 242 children were found occupying the said boats.

The number of children of school age found on the boats registered by this Authority was 137.

PARTICULARS OF CONTRAVENTIONS.

	Defects.	Remedied.
Not properly lettered and numbered	23	22
Absence of certificates	28	25
Requiring repairs :—		
Decks	3	12
Decks, stoves and floors ..	1	
Stoves, cupboards and		
water casks	5	
Cupboards, &c.	2	
Additional light	1	12
Certificates not identifying owners or boats	24	23
Requiring renewal of paint ..	10	10
Carried forward ..	106	101

	Defects.	Remedied.
Brought forward..	106	101
Change of Master not notified ..	6	6
Not in a cleanly condition ..	2	2
Over-crowding	—	—
Not properly ventilated	1	1
Females over age —	—	—
Refusal of admittance to Inspector..	—	—
Accumulation of bilge water ..	—	—
Carrying offensive cargoes without the requisite double bulkheads	—	—
Unregistered boat	15	15
	121	116

In reference to the 5 contraventions unremedied, notices have been sent either to the Owner or Masters, which I expect will be shortly complied with.

The 15 contraventions existing when the last annual report was presented have since been remedied.

Notices and letters issued during the year, 78.

In addition to the written notices or letters sent to the Owners, the Masters of all boats contravening the Acts or Regulations have been verbally cautioned.

INFECTIOUS DISEASES.

ERYSIPELAS.

On Saturday, 14th February, a notification was received from a Medical Practitioner that the Master (aged 65 years) of the Canal Boat “Sarah Ann,” registered No. 106, Hull, lying in the Queen’s Dock, was suffering from Erysipelas. The case was duly investigated and visits paid daily to the boat, and on the recovery of the patient the cabins were thoroughly disinfected, and a certificate of disinfection given by the Medical Officer of Health.

TYPHOID FEVER.

On Friday, 14th August, the Mate of the Canal Boat "Beatrice," registered No. 192, York, left the boat at Hull, and came home to his residence, 5, Richardson's Buildings, Sykes Street, Hull, where, on being medically attended, he was pronounced to be suffering from Typhoid Fever, and was removed to the Sanatorium. The Authority at York was notified of the outbreak and other necessary precautions taken.

MEASLES.

On Tuesday, the 15th of December, a notification was received from the Medical Practitioner in attendance, of a case of Measles on board the Canal Boat "Lionel," registered No. 3, Doncaster, lying in the Humber Dock, the patient being the son (aged four years) of the Master.

The case was investigated in due course and daily visits made to the boat, and on the recovery of the patient the cabins were thoroughly disinfected, and a certificate to this effect given by the Medical Officer of Health.

SMALL POX PRECAUTIONS.

Small Pox having broken out at Sowerby Bridge and other towns in the West Riding of Yorkshire, and parts of Lancashire, having direct communication with Hull, special precautions have been taken with a view to preventing any cases being brought into the City. Through the kindness of the principal Canal Boat Owners trading from those places, I have been kept informed as to the names of their boats coming to Hull, and such boats have been visited on arrival and all necessary inquiries made regarding the health of the crews.

LEGAL PROCEEDINGS.

It has not been found necessary during the year to take legal proceedings, as in nearly every instance where contraventions of the Canal Boats Acts have been discovered, the persons responsible have carried out the necessary work with the least possible delay.

REGISTRATION DEPARTMENT.

Total number of boats on the register 31st				
December, 1902	..	..	..	395
Registered during the year	..	..	..	27
				422
Cancelled during the year	..	..	..	1
Total number on the register 31st December,				
1903	..	..	..	421
Particulars of boats registered during the year :—				
Not previously registered	..	..	..	15
Owing to change of ownership or boat's name,				
and certificates being lost	..	..	..	9
Owing to structural alterations	..	..	..	3
Total				27

Particulars of boats, the registration of which has been cancelled during the year :—

Owing to structural alterations .. 1

Change of Master on 12 boats, of ownership on 12 boats, and of boats' names in 2 cases, have been registered during the year.

Either from personal knowledge or from correspondence, I am able to state that the 421 boats on the register at the end of the year are in actual use at the present time.

Inspector's salary per annum with uniform, £115.

Report on the Administration of the Factory and Workshop Act, Shop Hours Acts and the Seats for Shop Assistants Act.

GENERAL REMARKS ON THE WORK OF 1903.

Although the total number of inspections made during the past year, including the examination of outworkers lists, is greater by 302 than during 1902 (4805 as compared with 4503), it has not been possible for your Inspector to visit all the places coming under his supervision, and it is clear that the extra work put into this department by the extension of the Factory and Workshop Act to workplaces and in other respects, and the passing of the Employment of Children Act, 1903, will require additional inspectorial force. The latter Act makes general provisions for the protection of children under the age of 14 years from being employed in the lifting or carrying of heavy weights, or being employed in any occupation likely to be injurious to their life, limb, health, or education, and gives power to local authorities to make bye laws for regulating the hours of employment of children in any occupation for profit or reward.

It will be observed that there is a decrease of the number of workshops and of shops on the registers as compared with last year, in the case of the former 100 and in the case of the latter 120. The chief factors in bringing this about are the general depression in trade and the extension of the use of electric power in small works, thus making workshops into factories, which do not appear on your registers. In the depression of trade Tailors appear to have suffered more than any other trade, but all trades have been more or less affected.

The office work in this department, which is done entirely by the Inspector, including the keeping of registers, correspondence, special and ordinary reports, &c., has greatly increased during the past three years and demands a large amount of your Inspector's time which, if suitable assistance were provided, might be advantageously spent in the work of inspection.

Factories.

With the exception of fire escapes the inspection of factories has been limited to the investigation of complaints.

Workshops.

The systematic inspection of workshops has been continued through the year, and the sanitary condition thereof has been fairly well maintained. The principal matters that required your Inspector's attention were cleansing, ventilation and the provision of suitable sanitary conveniences. There were few cases of serious overcrowding. The whole of the matters were successfully dealt with without recourse to legal proceedings.

Fire Escapes.

This branch of the work has received attention during the year. Six cases of obstructed ways were discovered, and the occupiers cautioned against allowing the obstruction to continue or to be repeated. These have since been re-inspected and found in order. Of the five places where additional means were required three have been provided with escapes and at the remaining two the work is well advanced.

Bakehouses.

The whole of the bakehouses in the city have been kept under systematic half-yearly inspection, and the premises have generally been kept in a good sanitary condition. In a few instances it was found necessary to intimate to the occupiers that unless the sanitary condition of their premises, mainly in respect to cleansing and floors, were not speedily attended to legal action would be taken against them. This has had the desired effect.

I am strongly of opinion that all premises used as bakehouses should be licensed, and that no place should be newly occupied as a bakehouse until a license has been granted by the Sanitary Authority, and that all licenses should be revocable. This would put into the hands of Sanitary Authorities power to prevent unsuitable places being put into use as bakehouses.

Outworkers.

The work in this branch has been greatly increased, especially in the getting in and the examination of the employers' lists. During the year 231 circular letters of caution had to be sent out before the lists were obtained.

All the outworkers premises were visited at least once during the year, and where occasion required, more frequently. Generally the work was found to be carried on under fairly good sanitary conditions. In only 5 or 6 cases was it found necessary to interfere with the giving out of work to be done in insanitary premises.

Shop Hours and Seats for Shop Assistants Acts.

The administration of these Acts has been carried on throughout the year, and they have been remarkably well regarded; in only two instances was it found necessary to institute legal proceedings.

Another year's experience only strengthens my opinion that the Shop Hours Act ought to limit a day's work, provide for proper meal times, and extend to all females employed in shops.

The passing of the Employment of Children Act, 1903, will if suitable bye laws be made by the Corporation, confer a much needed protection on school children, especially as regards employment in barber's shops.

TABLE SHEWING THE WORK ACCOMPLISHED BY THE SHOP HOURS AND SANITARY INSPECTOR EACH YEAR SINCE HIS APPOINTMENT IN JUNE 1893 TO THE END OF 1903.

YEAR.	FACTORY AND WORKSHOP, AND PUBLIC HEALTH ACTS.																				SHOP HOURS, AND SEATS FOR SHOP ASSISTANTS ACTS.										Factories Steam Whistles Act.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	REGISTERS.					INSPECTIONS.					FIRE ESCAPES.				SUMMARY OF SANITARY WORK.				NOTIFICATIONS TO H.M. INSPECTOR.			PROSECUTIONS.		SHOP HOURS ACTS.			SEATS FOR SHOP ASSISTANTS ACT.				PROSECUTIONS.			Inspections.	Users.	Certificates granted.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Workshops.	Workplaces.	Bakehouses.	Employers of Outworkers.	Outworkers.	Workshops and Work- places. (Outworkers included.)	Factories.	Laundries.	Bakehouses.	Re-Inspection, &c.	Outworkers' Lists examined.	Inspections.	Escapes required.	Escapes provided.	Escapes not in order.	Escapes put in order.	Various Sanitary Defects amended.	New Waterclosets provided.	New Earthenware provided.	New Drainage in feet.	No. of Premises affected.	New Workshops.	No Abstract, &c.	Other matters.	Prosecutions.	Convictions.	Dismissed or withdrawn on payment of costs.	No. of shops where young persons are employed.	Inspections.	Notices not exhibited.	Excess of hours.	No. of shops where females are employed.	Inspections.				Where seats were required.	Where seats have been provided on request.	Prosecutions.	Convictions.	Dismissed or withdrawn on payment of costs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
July, 1893	391	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL INSPECTIONS	Workshops	...	...	...	17295
	Factories	...	...	...	887
	Laundries	...	...	...	212
	Bakehouses	...	...	...	1719
	*Re-Inspections, &c...	...	...	...	9491
	Outworkers' Lists examined	...	...	...	258
Grand Total		...	...	...	29862

TOTAL FAULTS REMEDIED OR PUNISHED	Sanitary	...	...	...	3226
	Fire Escapes	...	...	...	49
	Shop Notices	...	...	...	2753
	Shop Hours	...	...	...	120
	Shop Seats	...	...	...	33
	Steam Whistles	...	...	...	5
Grand Total		...	...	...	6186

* 1893 and 1894 not included.

PROSECUTIONS INSTITUTED BY THE SHOP HOURS AND SANITARY INSPECTOR.

DATE.	OFFENCE.	RESULT.
1903.		
June 1903	Failing to comply with notice to provide sufficient and suitable sanitary conveniences at shipyard.	Summons withdrawn on payment of costs — Shipyard closed.
July 21st	Employing a young person more than 74 hours in one week in contravention of the Shop Hours Act.	Fined 5s. including costs.
July 21st	Failing to keep the Notice exhibited as required by the Shop Hours Act.	Fined 10s. including costs.

COMPLAINTS RECEIVED FROM H.M. INSPECTOR OF FACTORIES.

Nature of Complaint.	No. of complaints received.	No. of complaints remedied.	No. of complaints being dealt with.	Remarks.
Factory or Workshop not provided with Sanitary conveniences.	1	1	—	—
No separate Sanitary conveniences provided for the Sexes.	2	2	—	—
Insufficient or improper Sanitary convenience.	4	3	1	—
Insufficient screen to womens' closets.	2	2	—	—
Insufficient drainage of wet floors.	2	1	1	—
Insufficient means of escape in case of fire.	1	—	—	On examination it was found that less than 40 persons were employed—no action taken.
	12	9	2	

Detailed statement of Sanitary Conveniences provided.

PRIVIES.		WATER-CLOSETS.		URINALS.	
New.	Repaired.	New.	Repaired.	New.	Repaired.
18	9	31	2	4	...

Detailed statement of Drainage and Pavement work done.

Length of New Drains.	Number of Gullies and other Traps.	Area of New Pavement.
575 feet.	11	714 square feet.

SHOP HOURS ACTS, 1892 to 1895.

SEATS FOR SHOP ASSISTANTS ACT, 1899.

Number of Shops on the Register and number of Young Persons and Females employed therein.

Number of Shops in which young persons are employed	2033
Number of young persons employed in the same	2900
Number of Shops in which females are employed	711
Number of females employed in the same	1419

OUT-WORKERS.

Trade.	Employers.	Outworkers.
Manufacturers of Wearing Apparel	134	531
Cabinet Makers and Upholsterers	4	7
Total	138	538

WORKSHOPS AND WORKPLACES

Table shewing the trades, number of workshops and workplaces at present on the register, and number of each sex employed when first inspected.

TRADES.	Number of Work- shops.	Hands Employed.		TRADES.	Number of Work- shops.	Hands Employed.	
		Males.	Females.			Males.	Females.
* WORKSHOPS—							
Art Needle Workers	5	—	17	Brought forward	949	3671	852
Bag Workers	10	12	101	Ropeworkers	8	50	—
Bakers	112	265	26	Saddlers	14	39	1
Basket Makers.....	13	48	7	Sailmakers	13	1	—
Boat Builders	10	46	—	Shirt Makers	3	—	11
Boot Makers	113	285	3	Slippermakers.....	9	51	10
Bottlers of Beer, &c.	18	57	—	Smiths	65	221	—
Brush Makers	7	49	15	Tailors	239	463	365
Cabinet Makers ...	42	179	14	Tinsmiths	30	93	—
Chair Makers	2	71	—	Upholsterers	20	28	33
Coach Builders ...	4	41	—	Venetian Blind			
Confectioners	20	54	12	Makers	4	12	5
Coopers.....	30	146	—	Watch and Clock			
Cork Cutters	4	10	—	Makers	38	85	4
Cycle Repairers ...	24	63	—	Weighing Machine			
Dressmakers.....	230	1410	—	Makers	6	16	—
Firewood Cutters...	13	27	7	Wheelwrights	13	54	—
Fish Kit Makers...	1	6	—	Wireworkers	2	5	—
Hosiery Knitters...	4	—	19	Wood Carvers	7	27	—
Joiners	107	415	—	Sundry Trades.....	100	384	403
Lath Renders	4	23	—				
Laundries	14	3	88	Totals...	1520	5200	1684
Leather Curriers...	2	7	—				
Maltsters	5	16	—	* WORKPLACES—			
Marble Masons ...	1	2	1	Egg Warehouses ...	5	9	38
Mast and Block				Restaurant & Hotel			
Makers	1	3	—	Kitchens.....	49	29	111
Milliners	49	—	283	Sundry Workplaces	8	26	11
Netbraiders	7	5	223				
Painters	11	126	4	Totals ...	62	64	160
Picture Frame							
Makers	12	24	—	Grand Totals :—			
Polishers	17	49	1	Workshops	1520	5200	1684
Plumbers	54	226	—	Workplaces	62	64	160
Rag Sorters	3	3	31				
Carried forward	949	3671	852		1582	5264	2844

* A number of fish curing houses which are workshops are not included.

* The numbers given do not include the whole of workplaces in the City, but only those inspected.

TABULATED STATEMENT shewing the Sanitary Districts, Estimated Population, and work done during the year 1903.

DISTRICT.	DISTRICT BOUNDARIES.	ESTIMATED POPULATION.	INSPECTORS.	GENERAL NUISANCES.				DRAINAGE.				MILK SHOPS		INFECTIOUS DISEASES.					
				No. of Complaints Registered.	No. of Notices Served.	No. of Nuisances Abated.	No. of Houses, &c., Inspected.	No. of Choked Drains, Defective W.C.'s, Privies, and Traps remedied.	No. of Cases in which either a New W.C. or New Drainage has been provided.	No. of Supervisions of Drainage and other Works in progress.	No. of Inspections of Manure-yards, &c.	No. of Inspections.	No. not in conformity with the order.	No. of Cases Notified.	No. of Cases Investigated.	No. of Removals.	No. of Disinfections.	No. of houses supplied with Fever Pails.	Total No. Days Pails supplied.
1	S. Side River Humber, W. Side City Boundary, S. Side Hessele Road, E. Side Walker Street, S. Side Anlaby Road, Carr Lane to Monument Bridge, and W. Side Prince's and Humber Locks.	39871	Assistant Inspector of Nuisances, J. A. Fraser. Sanitary Officer.....J. Caws.	59	292	404	1470	288	42	724	163	385	...	423	531	85	494	11	232
2	S. Side Anlaby Road from W. Side Walker St., N. Side Hessele Road and the City Boundary.	40822	Assistant Inspector of Nuisances, A. T. Eginton. Sanitary Officer. H. Mouson. Assistant Inspector of Nuisances, J. W. Hardy. Sanitary Officer A. Barber.	91	240	357	1471	195	46	453	14	351	26	395	463	66	418	6	114
3	N. Side Anlaby Road, City Boundary, S. Side Spring Bank, E. Side Prospect, King Edward and Chariot Streets.	29721		52	181	421	1087	203	71	687	65	198	...	302	240	78	234	12	208
4	N. Side Spring Bank, W. Side Beverley Road, N. and W. City Boundary.	23274	Assistant Inspector of Nuisances, J. O. Vaughan. Sanitary Officer.....J. B. Taylor.	66	161	333	960	147	59	359	51	220	...	297	265	67	294	3	82
5	E. Side Beverley Road. N. Side Marlbro' Terrace and Cottingham Drain, W. Side River Hull and N. City Boundary.	31798	Assistant Inspector of Nuisances, R. Scott. Sanitary Officer, A. W. Chesterfield.	59	383	398	1417	280	49	303	97	277	14	583	661	89	532	6	156
6	S. Side Marlbro' Ter. and Cottingham Drain, W. Side River Hull, E. Side Prospect and Chariot Streets, N. Side Carr Lane and St. John St., E. Side Prince's & Humber Docks.	27992	Assistant Inspector of Nuisances, A. Rowland. Sanitary Officer.....J. Wallis	87	235	353	1324	242	97	974	57	123	5	344	374	85	240	2	38
7	E. Side River Hull, N. Side Witham and Holderness Road, E. and N. City Boundary.	29055	Assistant Inspector of Nuisances, F. Stebbings. Sanitary Officer.....F. Dixon.....	50	303	444	1446	283	51	611	165	273	1	764	848	69	608	14	392
8	S. Side Witham and Holderness Road, W. Side River Hull, S. River Humber, E. City Boundary.	27106	Assistant Inspector of Nuisances, R. B. Salter. Sanitary Officer.....F. Thorley.	32	293	368	1456	246	51	702	128	234	1	705	773	77	559	10	124
	City Total	249639		496	2088	3078	10631	1884	466	4813	740	2061	47	3813	4155	616	3379	64	1346

No. 32.—TABLE SHEWING THE NUMBER OF ANIMALS LANDED AT THE
CITADEL SITE DEPOT, FOR THE YEAR ENDED 1903.

Quarter Ended	Beast.	Calves.	Sheep.	Pigs.	Total.	Total Landed Dead.				
						Beast.	Calves.	Sheep.	Pigs.	Total.
March 31st.....	567	...	506	...	1073	...	...	...	...	...
June 30th	819	...	277	...	1096	...	...	...	...	...
September 30th...	899	...	..	...	889	...	...	...	...	...
December 31st ...	1266	...	...	...	1266	...	...	...	...	...
Total	3551	...	783	...	4334	*	...	...	...	...
Total, 1902.....	2530	...	1955	...	4485	...	...	...	...	...
" 1901.....	8895	...	5860	...	14755	...	...	4	...	4
" 1900.....	8801	...	...	...	8801	...	...	...	...	...
" 1899.....	9140	...	...	...	9140	...	...	...	...	...
" 1898.....	8259	...	1766	...	10025	...	...	1	...	1
" 1897.....	8827	...	...	...	8827	...	...	...	...	...
" 1896.....	6549	...	6576	...	13125	...	...	1	...	1
" 1895.....	2631	...	1366	...	3997	...	...	3	...	3
" 1894.....	5068	...	773	...	5841	...	...	2	...	2
" 1893.....	2497	...	...	...	2497	1	...	...	...	1
" 1892.....	5553	...	...	2634	8187	2	...	...	13	15
" 1891.....	4939	5816	86	...	10835	4	13	...	...	17
" 1890.....	5493	5922	250	1418	13083	4	3	...	...	7
" 1889.....	3891	5204	16837	20921	46853	2	...	3	...	24
" 1888.....	4153	5190	39512	16748	65603	No return.				
" 1887.....	2887	6339	42305	1954	53485	Do.				

Thirty four hundred and twelve Beasts and 506 Sheep were from New York, U.S.A., and 139 Beasts and 277 Sheep from Buenos Ayres.

*One Beast was slaughtered on landing and condemned.

SANITARY DEPARTMENT.

*Expenditure for the year, from April 1st, 1903,
to March 31st, 1904.*

	£	s	d
Nightsoil Collection.. .. .	8208	6	6
Refuse Collection	5410	4	11
New Carts and Repairs to Carts	877	1	11
Office and Departmental Expenses	2737	1	10
Disinfectants	217	3	1
Special Sanitary Work	461	0	1
Printing and Stationery	288	13	0
Disinfecting Station	1515	3	11
Mortuary	120	5	6
Notification of Infectious Diseases (Act)	463	10	6
Sanatorium	6530	16	5
Evan Fraser Hospital	2076	18	1
Unhealthy Dwellings	256	0	8
Destructor, East	613	8	11
Do. West	1525	1	3
	£31300 16 7		